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**BASIC ORDERING AGREEMENT BETWEEN**

AIP Publishing, LLC (AIPP)

**AND**

UChicago Argonne, LLC

**BASIC ORDERING AGREEMENT NO. 6I-30482 MOD. No. 5**

This Basic Ordering Agreement (BOA) between AIP Publishing, LLC (AIPP) (Vendor, hereinafter "Seller") and UChicago Argonne is hereby modified to extend the period of performance and update terms and conditions for the products and services to DOE Contractors and authorized subcontractors in accordance with the following:

1. This Agreement includes products listed as well as the pricing in Appendix B.
2. This BOA is for the Department of Energy Contractors having a prime contract with the DOE.
3. This Agreement may also be used by other DOE Prime Contractors (collectively herein after called "Contractor").
4. General Terms and Conditions are included in Attachment B as updated and made part herein.
5. AIP Publishing, LLC (AIPP) Content License Agreement updated is attached and made a part herein.
6. Authorized Users AIPP Account numbers are listed in Appendix A.

**Modification No. 5** extends the period of performance through December 31, 2024, updates the General Terms and Conditions and License Agreement as well as the pricing for CY-2021. The parties agree that Contractors, may place orders under this BOA and receive the appropriate, discounted price. Each DOE Contractor shall place its own Orders under this Agreement and shall be direct billed accordingly.

**ARTICLE 1 - SCOPE OF WORK**

All Orders placed hereunder shall reference the number of this BOA No. 6I-30482 The term of this BOA is hereby extended by written mutual agreement from its original term of five years from January 1, 2016, through December 31, 2020 to December 31, 2024.

The Seller agrees to furnish such quantities of products or services described herein as Contractor(s) may order during the term of this Agreement. The Seller's obligation to each Contractor(s) shall become effective upon acceptance of particular orders issued under the Agreement.

**ARTICLE 3 - FIXED PRICES**

The Contractor shall be entitled to purchase goods and services listed in Appendix B at the fixed prices for the period through December 31, 2021 identified herein. The prices identified in Appendix B are firm for one-year periods of this Agreement, described in Article 1, Scope of Work. On an annual basis pricing will be reviewed and subject to agreed upon changes if necessary. No funds are committed or obligated under the Basic Order Agreement

**ARTICLE 4 - ADMINISTRATIVE**

BOA Procurement Administrator's Address is as follows:

William M. Walsh  
Contract Administration Manager  
UChicago Argonne  
9700 S. Cass Avenue  
Lemont, IL 60439  
wmwalsh@anl.gov

BOA Sellers Administrator's Address is as follows:

AIP Publishing, LLC (AIPP)  
Sales Support Manager  
1305 Walt Whitman Road  
Suite 300  
Melville, NY 11747-4300

Seller's site specific pricing shall be included in Appendix B.

**All other terms and conditions remain unchanged and in full force and effect.**

IN WITNESS WHEREOF, the parties hereto have executed this document as of the day and year of [Contractor's] signature date.

ACKNOWLEDGED AND CONFIRMED;

<b>AIP PUBLISHING, LLC (AIPP)</b>	<b>UCHICAGO ARGONNE, LLC</b>
<b>BY:</b> 	<b>BY:</b> <i>William Walsh</i>
<b>TITLE:</b> Head of Global Sales and Advertising	<b>TITLE:</b> Contract Administration Manager
<b>DATE:</b> 12/21/2020	<b>DATE:</b> 12/18/2020

## Attachment B







**BASIC ORDERING AGREEMENT BETWEEN  
GENERAL TERMS AND CONDITIONS  
FOR COMMERCIAL ITEMS AND SERVICES**

The terms of Basic Ordering Agreement remain in full force and effect and Article 19 is hereby Modified as follows to include additional FAR Clauses as required.

**19. INCORPORATION BY REFERENCE is hereby Amended to include the following FAR provisions:**

The BOA incorporates certain clauses by reference. These clauses apply as if they were incorporated in their entirety. For Federal Acquisition Regulation (FAR) provisions incorporated by reference, "Contractor" means Seller and "Contracting Officer" means the Company BOA Procurement Representative. The FAR clauses may be obtained from the Company upon request.

The following clauses are incorporated by reference:

-  FAR 52. 219-8 Utilization of Small Business Concerns (MAY 2004)
-  FAR 52.222-26 Equal Opportunity (APR 2002), (The required poster is available at: <http://www.dol.gov/dol/esa/public/regs/compliance/posters/eeo.htm>)
-  FAR 52.222-35 Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans, (DEC 2001), and
-  FAR 52.222-36 Affirmative Action for Workers with Disabilities (JUN 1998)
-  FAR 52.227-3 Patent Indemnity (APR 1984)
- FAR 52.227-9 Refund of Royalties (APR 1984)
- FAR 52.222-21 Prohibition of Segregated Facilities (FEB 1999)
- FAR 52.223-18 ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (Jun 2020).
  
- FAR 52.204-25 – PROHIBITION ON CONTRACTING FOR CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT (AUG 2020) (Paragraph (b)(2) intentionally omitted)
  
- FAR 52.222-50 COMBATING TRAFFICKING IN PERSONS (Oct 2020).
  
- FAR 52.203-19 PROHIBITION ON REQUIRING CERTAIN INTERNAL CONFIDENTIALITY AGREEMENTS OR STATEMENTS (Jan 2017).
-  FAR 52.24406 SUBCONTRACTS FOR COMMERCIAL ITEMS (Oct 2020)
  
- FAR 52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (June 2008).
  
- 52.232-40 PROVIDING ACCELERATED PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS (Dec 2013)
  
- FAR 52.204-23 – PROHIBITION ON CONTRACTING FOR HARDWARE, SOFTWARE, AND SERVICES DEVELOPED OR PROVIDED BY KASPERSKY LAB AND OTHER COVERED ENTITIES (JUL 2018)

**END OF DOCUMENT**



## CONTENT LICENSING AGREEMENT

### Part 1 – Custom Terms

GENERAL	
Effective Date	January 1, 2021
Initial Term	Subject to the Standard Terms and Conditions, this Agreement shall be for an initial term that begins on the Effective Date and continues in effect for [4] year(s) (the “Initial Term”). This Agreement will not be subject to any implied or automatic renewals, and any relationship between the parties after the Initial Term hereof will be the subject of a new agreement.
Licensee (additional sites or Participating Institutions are listed in Appendix A)	Name: UChicago Argonne, LLC Address: 9700 South Cass Avenue, Lemont, IL 60439 Telephone: 630-252-7045
Licensee’s Designated Invoicing Contact	Name: William Walsh Contract Administration Manager UChicago Argonne, LLC Address: 9700 South Cass Avenue, Lemont, IL 60439 Telephone: 630-252-7045 Email: wmw Walsh@anl.gov
AIPP Sales Support Manager	Name: Arlene Gonzalez Address: 1305 Walt Whitman Road, Suite 300 Melville, NY 11747-4300 Telephone: 516-576-2413 Email: agonzalez@aip.org
Licensed Content	Titles as set forth in Appendices A&B to the Standard Terms and Conditions (“Licensed Content”).
Fees (Access Fees for any additional sites or Participating Institutions are listed in Appendix A)	Due Date as specified on AIP Publishing’s invoice.  Total 2021 Subscription Fees: \$569,890 Total 2021 Access Fees: \$88,149 <b>Total 2021 Fees: \$658,039</b>
Additional Terms	Additional Participating Institutions may be added by mutual consent and will subsequently be listed in Appendix A and B



## Part 2 – Standard Terms & Conditions

This Content Licensing Agreement (“Agreement”), consisting of Part 1 – Custom Terms and Part 2 – Standard Terms and Conditions, and any appendices attached, is effective on the Effective Date, by and between Licensee and AIP Publishing LLC (“AIPP”), with offices at 1305 Walt Whitman Road, Suite 300, Melville, NY 11747-4300.

WHEREAS, AIPP has the right to grant Licensee (and its locations / Participating Institutions, if applicable, as set forth in [Appendix A](#)) access to the Licensed Content, which is delivered via a technology platform (e.g., Scitation), or other means of delivery that AIPP deems appropriate (“Platform”);

WHEREAS, Licensee wishes to provide Authorized Users access to the Licensed Content using the Platform by paying the Fees;

NOW THEREFORE, in consideration of the foregoing premises and the mutual covenants contained herein, and other valuable consideration received, the parties agree as follows:

### 1. LICENSED RIGHTS

a. License. AIPP provides a non-exclusive, non-transferable license to Licensee’s Authorized Users, subject to the terms, conditions and restrictions set forth in this Agreement, to access, search, view, download, print and save the Licensed Content via the Platform, solely for research and educational purposes. If Licensee is a single institution with multiple locations, the authorized locations are set forth in [Appendix A](#). If Licensee is a consortium representing the Participating Institutions set forth in [Appendix A](#), the Participating Institutions’ Authorized Users shall have the right to access the Licensed Content pursuant to this Section, and the Participating Institutions are subject to the same restrictions imposed upon the Licensee in this Agreement.

b. Authorized Users. Authorized users are defined as and limited to current faculty members, staff, employees, students, subcontractors, as applicable (collectively, “Authorized Users”), and walk-in users using computer terminals on premises (“Walk-in Users”). All Authorized Users who have been issued an institutional username and password may also access the Licensed Content remotely, using devices that are located off the premises of Licensee (or a Participating Institution). Licensee or the Participating Institutions must require the Authorized Users to use a username and password to login before accessing the Platform using computers located off the premises of Licensee (or Participating Institutions). For the sake of clarity, no Walk-in Users are permitted to access the Platform remotely.

c. Compliance. Licensee will use commercially reasonable efforts to cooperate with AIPP to remedy any Authorized User’s or Participating Institution’s failure to comply with the terms of this Agreement.



d. Credentials. When the relationship between an Authorized User and the Licensee terminates, Licensee shall take reasonable steps to prevent the previously Authorized User from accessing the Platform, by promptly disabling the previously Authorized User's access to the Licensed Content except from areas where the Licensed Content is accessible to the public.

## 2. FAIR USE & RIGHTS OF LIBRARIES

a. Fair Use and Rights of Libraries. Authorized Users are entitled to use the Licensed Content in a manner that comports with §107 and §108 of the U.S. Copyright Act, or other similar applicable laws outside the U.S., provided that the Authorized Users provide proper attribution to the copyright owners and AIPP.

b. Interlibrary Loan. Licensee may use the Licensed Content to fulfill a reasonable number of requests from other libraries for specific material for interlibrary loans ("ILL"). The Licensed Content for ILL may be transmitted by mail, fax or secure, prevailing technology, provided that Licensee will not require the receiving library to pay a fee, and to the best of Licensee's knowledge, the loaned material is for the purposes of research or private study, and not for commercial use. The borrowing and lending libraries will comply with applicable legal guidelines in connection with ILL.

c. Course Packs: Material from the Licensed Content may be included in anthologies ("Course Packs") in print or digital form for distribution to Authorized Users for their use in connection with classroom instruction or in reserves (print or digital) set up by libraries for access by Authorized Users in connection with specific courses offered by the Licensee. Copies of items in digital form which are included in online Course Packs or reserves will be deleted by the Licensee and its locations when the course is no longer offered. Course Packs in non-electronic non-print perceptible form, such as audio or Braille, may also be offered to Authorized Users.

## 3. RESTRICTIONS.

a. Intellectual Property. Licensee shall not, and shall not cause, assist or encourage any Authorized Users or third parties to: (i) infringe any intellectual property or other right of any party (including AIPP), or violate any applicable laws, rules or regulations, including, without limitation, redistribute, repurpose, resell, alter, recompile, share access with users not authorized by Licensee, republish or post in any media, print or electronic form, such as on the Internet or using peer-to-peer or similar file sharing for anyone to access, the Licensed Content (or any search results thereof), in whole or in part, or otherwise commercialize the Licensed Content; or (ii) alter, obscure or remove the copyright notices or the watermark in the Licensed Content, any article, or other such materials.

b. Operation of the Platform. Without AIPP's authorization, Licensee shall not, and shall not cause, assist or encourage any Authorized Users or third parties to: (i) disrupt or interfere with the security or use of the Platform, including, without limitation, through the use of viruses, cancel bots, Trojan horses, harmful code, flood pings, denial of service attacks, packet or IP spoofing, or similar methods or technology; (ii) misrepresent Licensee's affiliation with a person or entity, or submit false or misleading information to AIPP, including, without limitation, IP addresses that do not belong to any Participating Institution; (iii) collect, manually or through an automatic process, information about users or their usage without their express consent.



c. Systematic Download; Text and Data Mining. Without AIPP’s authorization, Licensee shall not, and shall not cause, assist or encourage any Authorized Users or third parties to: (i) systematically or programmatically download, whether manually or by using programs such as robots or searchbots, spiders, crawlers or other automated downloading programs, algorithms or devices, to continuously or automatically search, scrape, extract, deep link or index all or a substantial portion of the Licensed Content, such as an entire issue of or article from a journal; (ii) download the Licensed Content in aggregate for central storage or later retrieval; or (iii) conduct text and data mining.

d. Violations. Licensee shall notify AIPP of any copyright infringement, or unauthorized use of the Licensed Content of which Licensee becomes aware. To the extent AIPP determines that any copyright infringement or violation of this Agreement has occurred (including a violation by an Authorized User), Licensee shall cooperate with AIPP in investigating any unauthorized uses and in taking reasonable steps to prevent a reoccurrence, such as suspending or terminating an actual or suspected unauthorized user’s access to the Platform or Licensed Content upon AIPP’s reasonable request. If AIPP reasonably suspects or determines that an Authorized User has violated the terms of this Agreement or any other agreement that he or she individually entered into to access the Platform, or that Licensee is otherwise allowing the Platform to be misused, AIPP may, without notice, suspend such user’s account or Licensee’s access to the Platform.

#### 4. AIPP OBLIGATIONS

a. Availability. During the term, AIPP shall use commercially reasonable efforts to provide continuous access to the Licensed Content via the Platform, except for periodic downtime for maintenance, and interruption of access to the Platform due to factors outside of AIPP’s control.

b. Post Cancellation Access. If Licensee pays a “Subscription Fee” as set forth in the Custom Terms, it has access to the Licensed Content published during the years for which there was a paid Subscription Fee, even after this Agreement is terminated. Access begins with the content published in 1999 and for any years thereafter, pursuant to the terms set forth in Appendix A. If Licensee fails to subscribe to at least one journal title online, Licensee will pay an annual fee for using the Platform for post cancellation access to the Licensed Content, unless as otherwise agreed upon between the parties. Participating Institutions that pay an Access Fee for any of the Licensed Content as set forth in Appendix A will not have post cancellation access to that Licensed Content. Licensees that have purchased a Digital Archive product will have perpetual access to the archive product that was purchased, per the terms of the associated purchase agreement.

c. Usage Statistics. AIPP’s usage statistics (e.g., COUNTER stats) are available via SCITATION.

d. Accessibility. AIPP’s Accessibility statement is available at <https://publishing.aip.org/resources/researchers/policies-and-ethics/accessibility/> AIPP’s Accessibility documents (e.g. Voluntary Product Accessibility Template, or “VPAT”) are available at <http://www.scitation.org/pb-assets/VPAT/ScitationVPAT.docx> which AIPP may revise either at any time without notice. Licensee is responsible for reviewing all posted information.





e. Backup. In the unlikely event that AIPP is unable to provide electronic access to one or more of the journal titles that comprise the Licensed Content for an extended period of time, AIPP will cooperate with a third party vendor that has archived the Licensed Content to ensure that Licensee will be able to access the Licensed Content continuously, per the terms of this Agreement.

## 5. CONFIDENTIALITY

a. Definition. Either party may be exposed to certain non-public or proprietary information of the other party concerning its business, or information that due to its nature, the receiving party knows or should know is confidential, or that, if released to unauthorized persons, could be detrimental to the business interests of the disclosing party, including, without limitation, the terms of this Agreement or the Licensee's literature search results ("Confidential Information").

b. Obligations. The receiving party of Confidential Information agrees that it will: (i) not use the Confidential Information except as strictly necessary to fulfill its obligations under this Agreement; and (ii) not disclose the Confidential Information to any third party and will take every precaution to protect the confidentiality of the Confidential Information, using at least the same measures as it does to protect its own most sensitive information, and in any event no less than reasonable measures. Notwithstanding the foregoing, the receiving party may make a limited disclosure of Confidential Information if required to do so by law.

c. These provisions are consistent with and do not supersede, conflict with, or otherwise alter the employee obligations, rights, or liabilities created by existing statute or Executive order relating to (1) classified information, (2) communications to Congress, (3) the reporting to an Inspector General of a violation of any law, rule, or regulation, or mismanagement, a gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety, or (4) any other whistleblower protection. The definitions, requirements, obligations, rights, sanctions, and liabilities created by controlling Executive orders and statutory provisions are incorporated into this agreement and are controlling.

d. Notwithstanding the foregoing, because the United States Government has ownership, authority, control, audit and inspection rights over all activities conducted at Argonne National Laboratory, Non-Public Information may be disclosed to employees of the United States Government who are subject to the U.S. Trade Secrets Act (18 U.S.C. 1905) regarding further disclosure

## 6. FEES AND PAYMENT

a. Fees. Licensee and Participating Institutions shall pay all Fees pursuant to the Custom Terms, and any other fees as set forth in the attached appendices. The Fees may be increased by AIPP upon notice, and Licensee's consent, if a print version, a new publication, and/or an additional location/Participating Institution is added.

b. Taxes. Licensee must pay any applicable taxes arising out of the access to the Licensed Content, and/or the products and services as set forth in the appendices, other than taxes on AIPP's net income.





## 7. TERM AND RENEWAL

a. Term. The Initial Term of this Agreement is the period set forth in the Custom Terms. If this Agreement is subject to a renewal, the terms and conditions of this Agreement will continue to govern during any renewal term, subject to any amendment agreed upon between the parties. If the term is set to be automatically renewed and either party elects not to renew this Agreement for a renewal term, such party must give written notice of non-renewal to the other Party at least 30 days before the expiration of the then-current Initial Term or renewal term. Changes to Fees during a renewal term, other than those described in Section 6 that can be changed by purchase order, will be specified by a written amendment.

b. Renewal. If this Agreement is subject to a renewal pursuant to the Custom Terms, renewal of any subscription(s) will be construed as renewal of this Agreement, and the terms and conditions outlined here will remain in force for as long as orders are placed by the Licensee with AIPP.

c. Termination for Failure to Pay. If Licensee (and/or any of the Participating Institutions) fails to pay the fees pursuant to Section 6, AIPP may suspend or terminate Licensee's and/or its Participating Institutions' access to any and all of the Licensed Content, and/or any other products or services set forth in the attached appendices. If Licensee (and/or any of the Participating Institutions) wish(es) to be reinstated after AIPP suspends access to the Licensed Content for failure to pay, Licensee must first pay for the Fees from and including the time access was suspended to the end of the then-current annual subscription term.

d. Changes to Licensed Content. AIPP may change the selection of the Licensed Content from time to time, with notice to Licensee. If a journal is discontinued, the Fees may be adjusted pursuant to the mutual consent of the parties, subject to the Licensee's right to access any Licensed Content as set forth in Appendices A&B.

## 8. REPRESENTATIONS AND DISCLAIMERS; LIMITATION OF LIABILITY

a. Warranty and Disclaimers. If applicable, Licensee represents that it has the authority to act on behalf of the Participating Institutions in entering into this Agreement. AIPP represents and warrants that it is authorized to grant Licensee, the Participating Institutions (if applicable), and its/their Authorized Users the rights granted herein. Except as set forth in the preceding sentence, the Platform and the Licensed Content are provided on an "as-is" and "as-available" basis. AIPP makes no warranty or representation of any kind with respect to the Licensed Content or the Platform, express or implied, including its quality, originality, availability, accessibility, accuracy, performance, non-infringement, merchantability or fitness for a particular purpose, or that access to the Platform and the Licensed Content will achieve a particular result, or such access will be uninterrupted or error-free.

b. Limitation of Liability. Neither party shall be liable for exemplary, special, indirect, incidental, consequential or other similar types of damages, arising out of, relating to or connected with this Agreement, even if a party is advised or aware of the possibility of such damages. In no event shall the total aggregate liability of either party for any claims, losses or damages arising out of, relating to or connected with this Agreement exceed the amount paid or payable by the Licensee for the annual term during which the claim arose, whether in contract, tort or otherwise. The foregoing limitations do not apply to any breach of Sections 3, 5 and 6.



## 9. GOVERNING LAW AND ARBITRATION

a. Choice of law. This Agreement shall be construed and interpreted in accordance with the laws of the State of Illinois, without regard to its conflict of law principles.

b. U.S. Licensee. If the Licensee is located in the U.S., the parties agree to submit to the exclusive jurisdiction in the federal and state courts of Illinois, for any action brought in connection with this Agreement, and the parties agree to waive any defense of inconvenient forum.

c. International Licensee. If Licensee is located outside the U.S., then all disputes arising out of or in connection with the Agreement shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one arbitrator appointed in accordance with the said Rules, provided that the arbitrator must be a practicing attorney who is fluent in English. The place of arbitration shall be London. The language of the arbitration shall be English. To the extent any party wishes to seek emergency or injunctive relief in court, such proceeding shall be brought in the Southern District of New York, and each party waives, to the fullest extent permitted by law, the defenses of lack of personal jurisdiction, inconvenient forum, and improper venue.

## 10. GENERAL

a. Integration. This Agreement (consisting of the Custom Terms and the attached appendices, if any) contains the entire understanding of the parties regarding the subject matter of this Agreement, and supersedes all prior and contemporaneous agreements and understandings between the parties regarding its subject matter. The Licensed Content and Fees associated therewith may be specified in a purchase order, but nothing else in a purchase order can supersede any term in the Standard Terms and Conditions without a written amendment.

b. Waiver and Modification. Unless noted otherwise in the Custom Terms, each term of these Standard Terms and Conditions may only be modified, supplemented, amended or waived in a writing signed by both parties. A waiver of a breach shall not constitute a waiver of any other breach. The failure of either party at any time to enforce any provisions of this Agreement or to exercise any right or remedy shall not be construed to be a waiver of such provisions or of such rights or remedy or the right of that party thereafter to enforce each and every provision, right or remedy.

c. Force Majeure. Neither party will be responsible for any failure to perform its obligations under this Agreement due to causes beyond its reasonable control, including, but not limited to, acts of God, war, fire, floods, acts of civil or military authorities, strikes, work stoppages, civil unrest, power outages or disruption of transport or shipping, or riot.

d. Notices. All notices, reports and statements to be given shall be given or made: (a) by hand delivery, first class, Registered or Certified mail, return receipt requested, FedEx, UPS or any overnight delivery service providing notice of receipt, with a copy by email; or (b) by email itself. Notices to the parties shall be sent to the physical or email addresses set forth in the Custom Terms, unless notification of a change is given in writing. The date of receipt evidenced by the tracking information or email confirmations shall be deemed the date of receipt.



e. Severability. The parties agree that if any part, term, or provision of this Agreement shall be found illegal or in conflict with any valid controlling law, the validity of the remaining provisions of this Agreement shall not be affected thereby.

f. Assignment. The Licensee shall not assign or transfer its rights under this Agreement without the prior written consent of AIPP. AIPP may require the payment of additional Fees if any assignment or transfer of rights by Licensee results in additional authorized locations other than those set forth in Appendix A or Participating Institutions requiring access to the Licensed Content. AIPP may assign this Agreement upon notice in the event of any merger, reverse merger, sale, acquisition, public offering or private placement resulting in a change of ownership or control of AIPP. This Agreement shall be binding upon and inure to the benefit of the parties hereto, their successors and permitted assigns. Notwithstanding the foregoing, Licensee may assign this Agreement without the consent of AIPP to DOE or a successor operator of Argonne National Laboratory as selected by DOE.

g. No Third-Party Beneficiary. The parties do not intend, and the Agreement shall not be deemed, to create any third party beneficiary rights for any person, including, without limitation, the Participating Institutions, the Authorized Users, member societies of the American Institute of Physics (“Member Societies”), and publishing partners of AIPP (“Publishing Partners”), which authorized AIPP to grant Licensee access to the Licensed Content. Licensee shall not bring any claim relating to this Agreement against the Member Societies or Publishing Partners, nor shall Licensee cause, assist or cooperate with any Participating Institutions or Authorized Users in bringing a lawsuit against Member Societies or Publishing Partners.

h. Counterparts. This Agreement may be executed in counterparts, both of which taken together will constitute one and the same document. Electronic, facsimile or .pdf file signatures will have the same effect as originals.

i. Order of Precedence. To the extent Licensee provides any purchase order, procurement form, or rider that contains terms that conflict or are inconsistent with the terms the Basic Ordering Agreement, the terms in the Basic Ordering Agreement shall govern and be given precedence. Any language in any purchase order, procurement form, rider, or any other writing that purports to change the terms of this Section 10(i) without specifically referencing this section of this Agreement is inoperative.

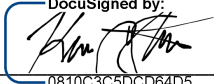
j. Survival. Sections 3, 5, 6, 8, 9 and 10, and any other provisions that are intended to survive, shall survive the expiration or termination of this Agreement.



The parties have executed this Agreement (consisting of Part 1- Custom Terms, Part 2 – Standard Terms and Conditions, and any appendices attached) as of the Effective Date.

**AIP PUBLISHING LLC**

**UCHICAGO ARGONNE, LLC**

By:   
0810C3C5DCC64D5...

By: William Walsh

**Name: Kevin Steiner**

**Name: William Walsh**

**Title: Head of Global Sales and Advertising**

**Title: Contract Administration Manager**

**Date:** 12/21/2020

**Date:** 12/18/2020



**APPENDIX A**  
**Licensee's Participating Sites**

**Licensee: UChicago Argonne**

**Participating Sites (DOE ICPT):**

<b>AIPP Account Number</b>	<b>Participating Site</b>
1168413	Argonne National Lab
1169754	Brookhaven National Lab
1076355	Fermi National Lab
	Fluor Marine Propulsion includes
1169187	Bettis, Pittsburgh, PA
1163820	Knolls, Schenectady, NY
1165085	Idaho National Lab
1074911	Jefferson Lab
1177482	Los Alamos National Lab
1182850	National Renewable Energy Lab
1177940	Oak Ridge National Lab
	*Office of Science & Technology Information
1002680	Oak Ridge, TN
1001544	Washington, DC
1012915	Germantown, MD
1168870	Pacific Northwest National Lab
1239228	Pantex Plant
	Sandia National Lab includes
1181791	Albuquerque, NM
1181806	Livermore, CA

\*Office of Science & Technology Information will be covered under the BOA, but sign a separate license agreement

**Summary of Fees Per Year**

	<b>Subscription Fees</b>	<b>Access Fees</b>	<b>Final Costs</b>
<b>Initial Year: 1/1/2021 - 12/31/2021</b>	\$569,890	\$88,149	\$658,039
<b>Option Year 1: 1/1/2022-12/31/2022</b>	\$587,992	\$90,850	\$678,842
<b>Option Year 2: 1/1/2023-12/31/2023</b>	\$606,959	\$93,865	\$700,824
<b>Option Year 3: 1/1/2024-12/31/2024</b>	\$627,489	\$97,036	\$724,525



**APPENDIX B  
Licensed Content**

**Participating Site:** (Account # 1168413) Argonne National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
	AIP Complete includes	\$64,535	\$66,471	\$68,465	\$70,519
1999-current	AIP Conference Proceedings				
1999-current	American Journal of Physics				
1999-current	Applied Physics Letters				
1980-current	Applied Physics Reviews				
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1999-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Applied Physics				
1999-current	Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Mathematical Physics				
1999-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1999-current	Journal of Rheology				
1999-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1999-current	Journal of Vacuum Science and Technology A				
1999-current	Journal of Vacuum Science and Technology B				
1999-current	Low Temperature Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1999-current	Physics Today				
1999-current	Review of Scientific Instruments				
1999-current	Surface Science Spectra				
1999-current	The Physics Teacher				
1929-1998	Journal of Rheology Backfile Add-on	\$183	\$188	\$194	\$200
	<b>Final Costs</b>	<b>\$64,718</b>	<b>\$66,659</b>	<b>\$68,659</b>	<b>\$70,719</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1169754) Brookhaven National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
	AIP Complete includes	\$61,263	\$63,101	\$64,994	\$66,944
1999-current	AIP Conference Proceedings				
1999-current	American Journal of Physics				
1999-current	Applied Physics Letters				
1980-current	Applied Physics Reviews				
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1999-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Applied Physics				
1999-current	Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Mathematical Physics				
1999-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1999-current	Journal of Rheology				
1999-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1999-current	Journal of Vacuum Science and Technology A				
1999-current	Journal of Vacuum Science and Technology B				
1999-current	Low Temperature Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1999-current	Physics Today				
1999-current	Review of Scientific Instruments				
1999-current	Surface Science Spectra				
1999-current	The Physics Teacher				
1948-1998	Physics Today Backfile Add-on	\$207	\$213	\$ 219	\$226
	<b>Final Costs</b>	<b>\$61,470</b>	<b>\$63,314</b>	<b>\$65,213</b>	<b>\$67,170</b>





## APPENDIX B (cont'd)

Participating Site: (Account # 1076355) Fermi National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
1970-current	AIP Conference Proceedings	\$7,874	\$8,110	\$8,353	\$8,604
1962-current	Applied Physics Letters	\$6,075	\$6,257	\$6,445	\$6,638
1946-current	Journal of the Physical Society of Japan	\$787	\$811	\$835	\$860
1948-current	Physics Today	\$821	\$846	\$871	\$897
1930-current	Review of Scientific Instruments	\$3,769	\$3,882	\$3,998	\$4,118
	AVS All includes	\$2,829	\$2,914	\$3,001	\$3,091
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
1964-current	Journal of Vacuum Science and Technology A				
1964-current	Journal of Vacuum Science and Technology B				
1964-current	Surface Science Spectra				
	<b>Subscription Costs</b>	<b>\$22,155</b>	<b>\$22,820</b>	<b>\$23,503</b>	<b>\$24,208</b>
	<b>Access only journals</b>	<b>\$5,088</b>	<b>\$5,241</b>	<b>\$5,398</b>	<b>\$5,560</b>
1933-current	American Journal of Physics				
1980-current	Applied Physics Reviews				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1991-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1931-current	Journal of Applied Physics				
1933-current	Journal of Chemical Physics				
1982-current	Journal of Laser Applications includes LIA Conference Proceedings				
1960-current	Journal of Mathematical Physics				
1972-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1929-current	Journal of Rheology				
1929-current	Journal of the Acoustical Society of America				
1997-current	Low Temperature Physics				
1958-current	Physics of Fluids				
1958-current	Physics of Plasmas				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$27,243</b>	<b>\$28,061</b>	<b>\$28,901</b>	<b>\$29,768</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1169187 &amp; 1163820) Fluor Marine Propulsion

Initial Term January 1, 2021 - December 31, 2021					Option Year 1		
Access Years	Journals	2021 Costs			2022 Costs		
		Bettis	Knolls Access Only	Total	Bettis	Knolls Access Only	Total
1962-current	Applied Physics Letters	\$6,561			\$6,758		
2006-current	Chinese Journal of Chemical Physics	\$1,588			\$1,636		
1931-current	Journal of Applied Physics	\$9,017			\$9,288		
1958-current	Physics of Fluids	\$5,210			\$5,366		
1948-current	Physics Today	\$860			\$886		
1930-current	Review of Scientific Instruments	\$4,009			\$4,129		
	<b>Subscription Costs</b>	<b>\$27,245</b>		<b>\$27,245</b>	<b>\$28,063</b>		<b>\$28,063</b>
	<b>Access Only Titles</b>						
1970-current	AIP Conference Proceedings						
1933-current	American Journal of Physics						
1980-current	Applied Physics Reviews						
2020-current	AVS Quantum Science						
2006-current	Biointerphases						
2007-current	Biomicrofluidics						
2021-current	Biophysics Reviews						
1991-current	Chaos						
2021-current	Chemical Physics Reviews						
1933-current	Journal of Chemical Physics						
1982-current	Journal of Laser Applications includes LIA Conference Proceedings						
1960-current	Journal of Mathematical Physics						
1972-current	Journal of Physical and Chemical Reference Data						
2009-current	Journal of Renewable and Sustainable Energy						
1929-current	Journal of Rheology						
1929-current	Journal of the Acoustical Society of America						
1946-current	Journal of the Physical Society of Japan						
1964-current	Journal of Vacuum Science and Technology A						
1964-current	Journal of Vacuum Science and Technology B						
1997-current	Low Temperature Physics						
1958-current	Physics of Plasmas						
1964-current	Surface Science Spectra						
1963-current	The Physics Teacher						
	<b>Access Fees</b>	<b>\$11,040</b>	<b>\$11,619</b>	<b>\$22,659</b>	<b>\$11,371</b>	<b>\$11,968</b>	<b>\$23,339</b>
	<b>Final Costs</b>	<b>\$38,285</b>	<b>\$11,619</b>	<b>\$49,904</b>	<b>\$39,434</b>	<b>\$11,968</b>	<b>\$51,402</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1169187 &amp; 1163820) Fluor Marine Propulsion (cont'd)

Access Years	Journals	Option Year 2			Option Year 3		
		2023 Costs			2024 Costs		
		Bettis	Knolls	Total	Bettis	Knolls	Total
			Access Only			Access Only	
1962-current	Applied Physics Letters	\$7,028			\$7,309		
2006-current	Chinese Journal of Chemical Physics	\$1,701			\$1,769		
1931-current	Journal of Applied Physics	\$9,660			\$10,046		
1958-current	Physics of Fluids	\$5,581			\$5,804		
1948-current	Physics Today	\$921			\$958		
1930-current	Review of Scientific Instruments	\$4,294			\$4,466		
	<b>Subscription Costs</b>	<b>\$29,185</b>		<b>\$29,185</b>	<b>\$30,352</b>		<b>\$30,352</b>
	<b>Access Only Titles</b>						
1970-current	AIP Conference Proceedings						
1933-current	American Journal of Physics						
1980-current	Applied Physics Reviews						
2020-current	AVS Quantum Science						
2006-current	Biointerphases						
2007-current	Biomicrofluidics						
2021-current	Biophysics Reviews						
1991-current	Chaos						
2021-current	Chemical Physics Reviews						
1933-current	Journal of Chemical Physics						
1982-current	Journal of Laser Applications includes LIA Conference Proceedings						
1960-current	Journal of Mathematical Physics						
1972-current	Journal of Physical and Chemical Reference Data						
2009-current	Journal of Renewable and Sustainable Energy						
1929-current	Journal of Rheology						
1929-current	Journal of the Acoustical Society of America						
1946-current	Journal of the Physical Society of Japan						
1964-current	Journal of Vacuum Science and Technology A						
1964-current	Journal of Vacuum Science and Technology B						
1997-current	Low Temperature Physics						
1958-current	Physics of Plasmas						
1964-current	Surface Science Spectra						
1963-current	The Physics Teacher						
	<b>Access Fees</b>	<b>\$11,826</b>	<b>\$12,447</b>	<b>\$24,273</b>	<b>\$12,300</b>	<b>\$12,945</b>	<b>\$25,245</b>
	<b>Final Costs</b>	<b>\$41,011</b>	<b>\$12,447</b>	<b>\$53,458</b>	<b>\$42,652</b>	<b>\$12,945</b>	<b>\$55,597</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1165085) Idaho National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
	AIP Select includes	\$34,854	\$36,248	\$37,698	\$39,206
1999-current	Applied Physics Letters				
1999-current	Chaos				
1999-current	Journal of Applied Physics				
1999-current	Journal of Chemical Physics				
1999-current	Journal of Mathematical Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1999-current	Physics Today				
1999-current	Review of Scientific Instruments				
1933-current	American Journal of Physics	\$1,285	\$1,336	\$1,390	\$1,446
	<b>Subscription Costs</b>	<b>\$36,139</b>	<b>\$37,584</b>	<b>\$39,088</b>	<b>\$40,652</b>
	<b>Access only journals</b>	<b>\$5,523</b>	<b>\$5,744</b>	<b>\$5,974</b>	<b>\$6,213</b>
1999-current	AIP Conference Proceedings				
1980-current	Applied Physics Reviews				
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
2007-current	Biomechanics				
2021-current	Biophysics Reviews				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1929-current	Journal of Rheology				
1929-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1964-current	Journal of Vacuum Science and Technology A				
1964-current	Journal of Vacuum Science and Technology B				
1999-current	Low Temperature Physics				
1964-current	Surface Science Spectra				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$41,662</b>	<b>\$43,328</b>	<b>\$45,062</b>	<b>\$46,865</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1074911) Jefferson Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
1970-current	AIP Conference Proceedings	\$6,263	\$6,451	\$6,645	\$6,844
1999-current	Applied Physics Letters	\$3,929	\$4,047	\$4,168	\$4,293
1999-current	Journal of Applied Physics	\$5,400	\$5,562	\$5,729	\$5,901
1999-current	Review of Scientific Instruments	\$2,400	\$2,472	\$2,546	\$2,622
1999-current	*Physics Today	\$ -	\$ -	\$ -	\$ -
1948-1998	Physics Today Backfiles	\$182	\$188	\$194	\$200
	AVS All includes	\$2,900	\$2,987	\$3,077	\$3,169
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
1964-current	Journal of Vacuum Science and Technology A				
1964-current	Journal of Vacuum Science and Technology B				
1964-current	Surface Science Spectra				
	<b>Subscription Costs</b>	<b>\$21,074</b>	<b>\$21,707</b>	<b>\$22,359</b>	<b>\$23,029</b>
	<b>Access only journals</b>	<b>\$5,579</b>	<b>\$5,746</b>	<b>\$5,918</b>	<b>\$6,096</b>
1933-current	American Journal of Physics				
1980-current	Applied Physics Reviews				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1991-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1933-current	Journal of Chemical Physics				
1982-current	Journal of Laser Applications includes LIA Conference Proceedings				
1960-current	Journal of Mathematical Physics				
1972-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1929-current	Journal of Rheology				
1929-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1997-current	Low Temperature Physics				
1958-current	Physics of Fluids				
1958-current	Physics of Plasmas				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$26,653</b>	<b>\$27,453</b>	<b>\$28,277</b>	<b>\$29,125</b>

\*Complimentary electronic copy; includes Print copies of Physics Today for the current subscription year  
Subscription costs are based on full payment of Corporate Associate dues.

If Corporate Associate dues are not paid, subscription costs will default to list prices for that renewal year.



## APPENDIX B (cont'd)

Participating Site: (Account # 1177482) Los Alamos National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
	AIP Complete includes	\$69,536	\$71,622	\$73,771	\$75,984
1999-current	AIP Conference Proceedings				
1999-current	American Journal of Physics				
1999-current	Applied Physics Letters				
1980-current	Applied Physics Reviews				
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1999-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Applied Physics				
1999-current	Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Mathematical Physics				
1999-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1999-current	Journal of Rheology				
1999-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1999-current	Journal of Vacuum Science and Technology A				
1999-current	Journal of Vacuum Science and Technology B				
1999-current	Low Temperature Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1999-current	Physics Today				
1999-current	Review of Scientific Instruments				
1999-current	Surface Science Spectra				
1999-current	The Physics Teacher				
2021	Physics Today Print Add-on	\$598	\$616	\$634	\$653
	<b>Final Costs</b>	<b>\$70,134</b>	<b>\$72,238</b>	<b>\$74,405</b>	<b>\$76,637</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1182850) National Renewable Energy Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journal	2021 Subs	2022 Subs	2023 Subs	2024 Subs
1970-current	AIP Conference Proceedings	\$9,382	\$9,663	\$9,953	\$10,451
1999-current	Applied Physics Letters	\$5,910	\$6,087	\$6,270	\$6,583
1980-current	Applied Physics Reviews	\$2,375	\$2,446	\$2,520	\$2,646
1999-current	Journal of Applied Physics	\$8,157	\$8,402	\$8,654	\$9,086
1999-current	Journal of Chemical Physics	\$11,247	\$11,584	\$11,932	\$12,529
1999-current	Journal of Renewable and Sustainable Energy	\$1,051	\$1,083	\$1,115	\$1,171
1999-current	Physics Today	\$781	\$804	\$829	\$870
1999-current	Review of Scientific Instruments	\$3,627	\$3,736	\$3,848	\$4,040
	AVS All titles include:	\$2,052	\$2,114	\$2,177	\$2,286
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
1999-current	Journal of Vacuum Science and Technology A				
1999-current	Journal of Vacuum Science and Technology B				
1999-current	Surface Science Spectra				
	<b>Subscription Costs</b>	<b>\$44,582</b>	<b>\$45,919</b>	<b>\$47,298</b>	<b>\$49,662</b>
	<b>Access only journals</b>	\$2,198	\$2,265	\$2,331	\$2,449
1933-current	American Journal of Physics				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1999-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Mathematical Physics				
1999-current	Journal of Physical and Chemical Reference Data				
1929-current	Journal of Rheology				
1929-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1999-current	Low Temperature Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$46,780</b>	<b>\$48,184</b>	<b>\$49,629</b>	<b>\$52,111</b>





## APPENDIX B (cont'd)

Participating Site: (Account # 1177940) Oak Ridge National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
	AIP Complete includes	\$62,736	\$65,245	\$67,855	\$70,569
1999-current	AIP Conference Proceedings				
1999-current	American Journal of Physics				
1999-current	Applied Physics Letters				
1980-current	Applied Physics Reviews				
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1999-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Applied Physics				
1999-current	Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Mathematical Physics				
1999-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1999-current	Journal of Rheology				
1999-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1999-current	Journal of Vacuum Science and Technology A				
1999-current	Journal of Vacuum Science and Technology B				
1999-current	Low Temperature Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1999-current	Physics Today				
1999-current	Review of Scientific Instruments				
1999-current	Surface Science Spectra				
1999-current	The Physics Teacher				
1948-1998	Physics Today Backfile Add-on	\$214	\$223	\$232	\$241
1933-1998	American Journal of Physics Backfile Add-on	\$257	\$267	\$278	\$289
1929-1998	Journal of Rheology Backfile Add-on	\$183	\$190	\$198	\$206
1929-1998	Journal of the Acoustical Society of America Backfile Add-on	\$651	\$677	\$704	\$732
1963-1998	The Physics Teacher Backfile Add-on	\$163	\$170	\$177	\$184
	<b>Final Costs</b>	<b>\$64,204</b>	<b>\$66,772</b>	<b>\$69,444</b>	<b>\$72,221</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1168870) Pacific Northwest National Lab

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
1999-current	Applied Physics Letters	\$6,326	\$6,516	\$6,711	\$6,912
1999-current	Journal of Applied Physics	\$8,728	\$8,990	\$9,260	\$9,538
1999-current	Journal of Chemical Physics	\$12,035	\$12,396	\$12,768	\$13,151
1929-current	Journal of the Acoustical Society of America	\$2,719	\$2,801	\$2,885	\$2,972
1948-current	Physics Today	\$988	\$1,018	\$1,049	\$1,080
1999-current	Review of Scientific Instruments	\$3,883	\$4,000	\$4,120	\$4,244
	AVS All includes	\$3,000	\$3,090	\$3,183	\$3,278
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
1964-current	Journal of Vacuum Science and Technology A				
1964-current	Journal of Vacuum Science and Technology B				
1964-current	Surface Science Spectra				
	<b>Subscription Costs</b>	<b>\$37,679</b>	<b>\$38,811</b>	<b>\$39,976</b>	<b>\$41,175</b>
	<b>Access only journals</b>	<b>\$7,727</b>	<b>\$7,959</b>	<b>\$8,198</b>	<b>\$8,444</b>
1999-current	AIP Conference Proceedings				
1933-current	American Journal of Physics				
1980-current	Applied Physics Reviews				
2007-current	Biomechanics				
2021-current	Biophysics Reviews				
1999-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1999-current	Journal of Laser Applications includes LIA Conference Proceedings				
1999-current	Journal of Mathematical Physics				
1999-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1929-current	Journal of Rheology				
1946-current	Journal of the Physical Society of Japan				
1999-current	Low Temperature Physics				
1999-current	Physics of Fluids				
1999-current	Physics of Plasmas				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$45,406</b>	<b>\$46,770</b>	<b>\$48,174</b>	<b>\$49,619</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1239228) Pantex Plant

Initial Term January 1, 2021 - December 31, 2021		Option Year 1	Option Year 2	Option Year 3	
		Access only - No Post Cancellation Access			
Access Years	Journals	2021 Costs	2022 Costs	2023 Costs	2024 Costs
		\$3,474	\$3,578	\$3,685	\$3,797
1970-current	AIP Conference Proceedings				
1933-current	American Journal of Physics				
1962-current	Applied Physics Letters				
1980-current	Applied Physics Reviews				
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
2007-current	Biomicrofluidics				
2021-current	Biophysics Reviews				
1991-current	Chaos				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1931-current	Journal of Applied Physics				
1933-current	Journal of Chemical Physics				
1982-current	Journal of Laser Applications includes LIA Conference Proceedings				
1960-current	Journal of Mathematical Physics				
1972-current	Journal of Physical and Chemical Reference Data				
2009-current	Journal of Renewable and Sustainable Energy				
1929-current	Journal of Rheology				
1929-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1964-current	Journal of Vacuum Science and Technology A				
1964-current	Journal of Vacuum Science and Technology B				
1997-current	Low Temperature Physics				
1958-current	Physics of Fluids				
1958-current	Physics of Plasmas				
1948-current	Physics Today				
1930-current	Review of Scientific Instruments				
1964-current	Surface Science Spectra				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$3,474</b>	<b>\$3,578</b>	<b>\$3,685</b>	<b>\$3,797</b>



## APPENDIX B (cont'd)

Participating Site: (Account # 1181791 &amp; 1181806) Sandia National Lab

Initial Term January 1, 2021 - December 31, 2021					Option Year 1		
Access Years	Journals	2021 Costs			2022 Costs		
		Subs	Access Fees	Total	Subs	Access Fees	Total
	AIP Complete includes	\$68,084	\$10,797	\$78,881	\$70,127	\$11,121	\$81,248
1999-current	AIP Conference Proceedings						
1999-current	American Journal of Physics						
1999-current	Applied Physics Letters						
1980-current	Applied Physics Reviews						
2020-current	AVS Quantum Science						
2006-current	Biointerphases						
2007-current	Biomicrofluidics						
2021-current	Biophysics Reviews						
1999-current	Chaos						
2021-current	Chemical Physics Reviews						
2006-current	Chinese Journal of Chemical Physics						
1999-current	Journal of Applied Physics						
1999-current	Journal of Chemical Physics						
1999-current	Journal of Laser Applications includes LIA Conference Proceedings						
1999-current	Journal of Mathematical Physics						
1999-current	Journal of Physical and Chemical Reference Data						
2009-current	Journal of Renewable and Sustainable Energy						
1999-current	Journal of Rheology						
1999-current	Journal of the Acoustical Society of America						
1946-current	Journal of the Physical Society of Japan						
1999-current	Journal of Vacuum Science and Technology A						
1999-current	Journal of Vacuum Science and Technology B						
1999-current	Low Temperature Physics						
1999-current	Physics of Fluids						
1999-current	Physics of Plasmas						
1999-current	Physics Today						
1999-current	Review of Scientific Instruments						
1999-current	Surface Science Spectra						
1999-current	The Physics Teacher						
1964-1998	AVS All Backfile Add-on	\$572		\$572	\$589		\$589
1948-1998	Physics Today Backfile Add-on	\$214		\$214	\$220		\$220
1933-1998	American Journal of Physics Backfile Add-on	\$257		\$257	\$265		\$265
1929-1998	Journal of Rheology Backfile Add-on	\$183		\$183	\$188		\$188
1929-1998	Journal of the Acoustical Society of America Backfile Add-on	\$651		\$651	\$671		\$671
1963-1998	The Physics Teacher Backfile Add-on	\$163		\$163	\$168		\$168
	<b>Final Costs</b>	<b>\$70,124</b>	<b>\$10,797</b>	<b>\$80,921</b>	<b>\$72,228</b>	<b>\$11,121</b>	<b>\$83,349</b>



## APPENDIX B (cont'd)

## Participating Site (cont'd): (Account # 1181791 &amp; 1181806) Sandia National Lab

Access Years	Journals	Option Year 2			Option Year 3		
		2023 Costs			2024 Costs		
		Subs	Access Fees	Total	Subs	Access Fees	Total
	AIP Complete includes	\$72,231	\$11,455	\$83,686	\$74,398	\$11,800	\$86,198
1999-current	AIP Conference Proceedings						
1999-current	American Journal of Physics						
1999-current	Applied Physics Letters						
1980-current	Applied Physics Reviews						
2020-current	AVS Quantum Science						
2006-current	Biointerphases						
2007-current	Biomicrofluidics						
2021-current	Biophysics Reviews						
1999-current	Chaos						
2021-current	Chemical Physics Reviews						
2006-current	Chinese Journal of Chemical Physics						
1999-current	Journal of Applied Physics						
1999-current	Journal of Chemical Physics						
1999-current	Journal of Laser Applications includes LIA Conference Proceedings						
1999-current	Journal of Mathematical Physics						
1999-current	Journal of Physical and Chemical Reference Data						
2009-current	Journal of Renewable and Sustainable Energy						
1999-current	Journal of Rheology						
1999-current	Journal of the Acoustical Society of America						
1946-current	Journal of the Physical Society of Japan						
1999-current	Journal of Vacuum Science and Technology A						
1999-current	Journal of Vacuum Science and Technology B						
1999-current	Low Temperature Physics						
1999-current	Physics of Fluids						
1999-current	Physics of Plasmas						
1999-current	Physics Today						
1999-current	Review of Scientific Instruments						
1999-current	Surface Science Spectra						
1999-current	The Physics Teacher						
1964-1998	AVS All Backfile Add-on	\$607		\$607	\$625		\$625
1948-1998	Physics Today Backfile Add-on	\$227		\$227	\$234		\$234
1933-1998	American Journal of Physics Backfile Add-on	\$273		\$273	\$281		\$281
1929-1998	Journal of Rheology Backfile Add-on	\$194		\$194	\$200		\$200
1929-1998	Journal of the Acoustical Society of America Backfile Add-on	\$691		\$691	\$712		\$712
1963-1998	The Physics Teacher Backfile Add-on	\$173		\$173	\$178		\$178
	<b>Final Costs</b>	<b>\$74,396</b>	<b>\$11,455</b>	<b>\$85,851</b>	<b>\$76,628</b>	<b>\$11,800</b>	<b>\$88,428</b>



## APPENDIX B (cont'd)

**Participating Site:** (Account # 1002680, 1001544, 1012915) \*Office of Science & Technology Information

Initial Term January 1, 2021 - December 31, 2021			Option Year 1	Option Year 2	Option Year 3
Access Years	Journals	2021 Subs	2022 Subs	2023 Subs	2024 Subs
	AIP Select includes	\$43,982	\$45,301	\$46,660	\$48,060
1962-current	Applied Physics Letters				
1991-current	Chaos				
1931-current	Journal of Applied Physics				
1933-current	Journal of Chemical Physics				
1960-current	Journal of Mathematical Physics				
1958-current	Physics of Fluids				
1958-current	Physics of Plasmas				
1948-current	Physics Today				
1930-current	Review of Scientific Instruments				
1933-current	American Journal of Physics	\$1,285	\$1,324	\$1,364	\$1,405
1972-current	Journal of Physical and Chemical Reference Data	\$1,953	\$2,012	\$2,072	\$2,134
	AVS All includes	\$3,146	\$3,240	\$3,337	\$3,437
2020-current	AVS Quantum Science				
2006-current	Biointerphases				
1964-current	Journal of Vacuum Science and Technology A				
1964-current	Journal of Vacuum Science and Technology B				
1964-current	Surface Science Spectra				
	<b>Subscription Costs</b>	<b>\$50,366</b>	<b>\$51,877</b>	<b>\$53,433</b>	<b>\$55,036</b>
	<b>Access only journals</b>	<b>\$25,104</b>	<b>\$25,857</b>	<b>\$26,633</b>	<b>\$27,432</b>
1970-current	AIP Conference Proceedings				
1980-current	Applied Physics Reviews				
2007-current	Biomechanics				
2021-current	Biophysics Reviews				
2021-current	Chemical Physics Reviews				
2006-current	Chinese Journal of Chemical Physics				
1982-current	Journal of Laser Applications includes LIA Conference Proceedings				
2009-current	Journal of Renewable and Sustainable Energy				
1929-current	Journal of Rheology				
1929-current	Journal of the Acoustical Society of America				
1946-current	Journal of the Physical Society of Japan				
1997-current	Low Temperature Physics				
1963-current	The Physics Teacher				
	<b>Final Costs</b>	<b>\$75,470</b>	<b>\$77,734</b>	<b>\$80,066</b>	<b>\$82,468</b>

\*Office of Science & Technology Information will be covered under the BOA, but sign a separate license agreement