# Guidelines for Implementing New PCC Policy Regarding Terminal Periods in MARC Bibliographic Records

(March 29, 2019)

Beginning April 8, 2019, PCC libraries will have two options regarding inclusion of terminal periods when newly authenticating bibliographic records:

a. Continue current practice (fully punctuated); code Leader/18=i

b. Omit terminal period in any descriptive field\*; code Leader/18=i

\* Exception: terminal periods integral to the data (e.g., recorded as part of abbreviations, initials, etc.) should not be omitted.

Special Note: when updating an existing PCC record, catalogers should follow the punctuation pattern already established in that record.

Terminal periods in access point fields (e.g. 1xx, 6xx, 7xx, 8xx) will continue to be required.

# Affected Fields

The following table presents commonly used MARC fields in which terminal periods were sometimes prescribedprior to the implementation of this policy, but now may be omitted or removed when newly authenticating records. Access point fields (1xx, 6xx, 7xx, 8xx), as well as fields for which no terminal periods are currently prescribed (e.g. 310, 490), are not included in the table.

A spreadsheet of all MARC fields, and whether they currently have required final punctuation, is also available.

|  |  |  |
| --- | --- | --- |
| 245 | Title statement (NR) | 245 10 $a Statistics : $b facts or fiction  245 10 $a How to play chess / $c Kevin Wicker ; with a foreword by David Pritchard ; illustrated by Karel Feuerstein  *but:*  245 00 $a Cancer research : $b official organ of the American Association for Cancer Research, Inc. [abbreviation appears on source] |
| 250 | Edition statement (R) | 250 ## $a Canadian edition  *but:*  250 ## $a 2nd ed. [abbreviation appears on source] |
| 255 | Cartographic Mathematical Data (R) | 255 ## $a Scale not given |
| 260 | Publication, distribution, etc. (Imprint) (R) [AACR2] | 260 ## $a New York, N.Y. : $b Elsevier, $c 1984 |
| 264 | Production, Publication, Manufacture, Distribution, and Copyright Notice (R) [RDA] | 264 #1 $a Boston : $b [publisher not identified], $c 2009 |
| 300 | Physical Description (R) [terminal period may be omitted even if 490 field is present] | 300 ## $a 149 pages ; $c 23 cm  *but:*  300 ## $a 1 sound disc (56 min.) : $b digital, stereo ; $c 4 3/4 in. [abbreviation for inch] |
| 343 | Planar Coordinate Data (R) | 343 ## $a Coordinate pair; $c 0.001024; $d 0.001024;  $h North; $b survey feet |
| 351 | Organization and Arrangement of Materials (R) | 351 ## $a Hierarchical; $b Geographic area or cruise number |
| 352 | Digital Graphic Representation (R) | 352 ## $a Raster : $b pixel |
| 362 | Dates of Publication and/or Sequential Designation (NR) | 362 1# $a Began with volume 47, published in 1947 |
| 500 | General note (R) | 500 ## $a Translated from German |
| 501 | With note (R) | 501 ## $a With (on verso): Motor road map of south- east England |
| 502 | Dissertation Note (R) | 502 ## $a Thesis (M.A.)--University College, London, 1969  502 ## $b M.A. $c International Faith Theological Seminary, London $d 2005 |
| 504 | Bibliography, etc. Note (R) | 504 ## $a Includes bibliographical references |
| 505 | Formatted Contents Note (R) | 505 ## $a How these records were discovered -- A short sketch of the Talmuds -- Constantine's letter  505 20 $t Baptisms, 1816-1872 -- $t Church members, 1816-1831 -- $t History of the Second Presbyterian Church of West Durham / $r by L.H. Fellows |
| 506 | Restrictions on Access Note (R) | 506 1# $a Available to subscribing member institutions only |
| 515 | Numbering Peculiarities Note (R) | 515 ## $a New series v. 2 (Sept.-Dec. 1837) not issued |
| 518 | Date, Time, and Place of an Event (R) | 518 ## $a Sermons, delivered from the pulpit of Marble Collegiate Church, New York City |
| 520 | Summary, etc. (R) | 520 ## $a An illustrated collection of nursery rhymes set to music |
| 522 | Geographical Coverage Note (R) | 522 ## $a Canada |
| 524 | Preferred Citation of Described Materials Note (R) | 524 ## $a Smithsonian Archives Record Unit 54, Joseph Henry Collection, 1808, 1825-1878, Box 1, Folder 6, Item 3 |
| 525 | Supplements Note (R) | 525 ## $a Supplements accompany some issues |
| 530 | Additional Format Available Note (R) | 530 ## $a Also issued as a motion picture |
| 533 | Reproduction Note (R) | 533 ## $a Microfilm. $m 1962-1965. $b Ann Arbor, Mich. : $c University Microfilms International, $d 1988.  $e 1 microfilm reel ; 35 mm |
| 534 | Original Version Note (R) | 534 ## $p Originally published: $c Englewood Cliffs,  N.J. : Prentice Hall, 1974 |
| 538 | System Details Note (R) | 538 ## $a VHS |
| 541 | Immediate Source of Acquisition Note (R) | 541 ## $a Source unknown |
| 546 | Language Note (R) | 546 ## $a English, French, or German |
| 550 | Issuing Body Note (R) | 550 ## $a Organ of the Potomac-side Naturalists' Club |
| 561 | Ownership and Custodial History (R) | 561 1# $a Collated: 1845-1847 |
| 580 | Linking Entry Complexity Note (R) | 580 ## $a Continued in 1982 by: U.S. exports. Schedule E commodity groupings by world area and country |
| 588 | Source of Description Note (R) | 588 ## $a Description based on: Vol. 2, no. 2 (Feb. 1984); title from cover  588 ## $a Latest issue consulted: 2001 |
| 740 | Added Entry--Uncontrolled Related/Analytical Title (R) | 740 0# $a Healing our culture, healing ourselves |

# Frequently Asked Questions

Q: When does this policy go into effect?

A: April 8th, 2019.

Q: Are PCC catalogers required to omit terminal periods when newly authenticating records?

A: No. The policy allows terminal periods to be omitted but does not require it.

Q. Are PCC catalogers allowed to remove existing terminal periods from previously authenticated BIBCO or CONSER records?

A: No. The policy does not allow the removal of terminal periods from previously authenticated records.

Q: Are PCC catalogers allowed to add terminal periods to previously authenticated BIBCO or CONSER records?

A: No. The policy does not allow for the addition of terminal periods to previously authenticated records.

Q: Are PCC catalogers allowed to add fields without terminal periods to previously authenticated BIBCO or CONSER records?

A: It depends. If the existing PCC records do not contain terminal periods, newly added descriptive fields should not contain terminal periods; otherwise, terminal periods should be used. The intention is that catalogers should follow the punctuation pattern already established in existing PCC records. PCC strongly discourages updating PCC records or fields for the sole purpose of removing or adding terminal periods.

Q: When newly authenticating an existing record, do PCC catalogers need to ensure that all fields are consistent with respect to terminal periods?

A: Yes. All fields in a record need to be consistent with respect to terminal periods.

Q: Why does this policy only cover some fields, instead of all MARC fields?

A: Removing final punctuation from access point fields, such as 100 or 700, requires changes to major bibliographic utilities. More discussion is also needed regarding subject access points. At a future date, the policy may be expanded to cover additional fields beyond those specified in this document.

# Example Records (for illustration purpose; fields affected by new PCC punctuation policy are highlighted)

* 1. **Print book**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | LDR | cam//i/ | | | | | |  |
|  | 001 | 1022980047 | | | | | |  |
|  | 005 | 20190301195846.6 | | | | | |  |
|  | 008 | //180116s2019////mauab////b////001/0/eng/c | | | | | |  |
|  | 010 |  |  | ## |  |  | $a 2017060585 |  |
|  | 040 |  |  | ## |  |  | $b eng $e rda |  |
|  | 020 |  |  | ## |  |  | $a 9780674987166 $q hardcover ; $q alkaline paper |  |
|  | 020 |  |  | ## |  |  | $a 0674987160 $q hardcover ; $q alkaline paper |  |
|  | 042 |  |  | ## |  |  | $a pcc |  |
|  | 043 |  |  | ## |  |  | $a a-cc--- |  |
|  | 050 |  |  | 00 |  |  | $a ML1751.C5 $b L5 2019 |  |
|  | 082 |  |  | 00 |  |  | $a 782.10951/0904 $2 23 |  |
|  | 100 |  |  | 1# |  |  | $a Li, Xiaoti, $d 1954- $e author. |  |
|  | 245 |  |  | 10 |  |  | $a Opera, society, and politics in modern China / $c Hsiao-t'i Li |  |
|  | 264 |  |  | #1 |  |  | $a Cambridge, Massachusetts : $b Published by the Harvard University Asia Center, $c  2019 |  |
|  | 300 |  |  | ## |  |  | $a x, 365 pages : $b illustrations ; $c 24 cm |  |
|  | 336 |  |  | ## |  |  | $a text $b txt $2 rdacontent |  |
|  | 337 |  |  | ## |  |  | $a unmediated $b n $2 rdamedia |  |
|  | 338 |  |  | ## |  |  | $a volume $b nc $2 rdacarrier |  |
|  | 490 |  |  | 1# |  |  | $a Harvard-Yenching Institute monograph series ; $v 117 |  |
|  | 520 |  |  | ## |  |  | $a "Explores the themes of opera, city, and space in the context of the extensive theatrical reform movement that took place in China in the twentieth century. Illustrates the "politicization" of Chinese opera to understand the implications of "modern" theater experiences and its changing features"--Provided by publisher |  |
|  | 504 |  |  | ## |  |  | $a Includes bibliographical references and index |  |
|  | 505 |  |  | 0# |  |  | $a Looking back at history in Late Imperial China -- Changing discourses on China's popular drama: 1900s to early 1930s -- The reformation of Beijing Opera in Shanghai -- Reformed opera performances on the Shanghai stage -- Reformed opera in Xi'an -- Politicization and radicalization |  |
|  | 650 |  |  | #0 |  |  | $a Operas, Chinese $x History and criticism. |  |
|  | 650 |  |  | #0 |  |  | $a Operas, Chinese $x Political aspects. |  |
|  | 650 |  |  | #0 |  |  | $a Operas, Chinese $x Social aspects. |  |
|  | 650 |  |  | #0 |  |  | $a Opera $x Political aspects $z China. |  |
|  | 650 |  |  | #0 |  |  | $a Opera $x Social aspects $z China. |  |
|  | 650 |  |  | #0 |  |  | $a Opera $z China $x History $y 20th century. |  |
|  | 650 |  |  | #7 |  |  | $a Opera. $2 fast $0 (OCoLC)fst01046145 |  |
|  | 650 |  |  | #7 |  |  | $a Opera $x Political aspects. $2 fast $0 (OCoLC)fst01046163 |  |
|  | 650 |  |  | #7 |  |  | $a Opera $x Social aspects. $2 fast $0 (OCoLC)fst01046168 |  |
|  | 650 |  |  | #7 |  |  | $a Operas, Chinese. $2 fast $0 (OCoLC)fst01046239 |  |
|  | 650 |  |  | #7 |  |  | $a Operas, Chinese $x Political aspects. $2 fast $0 (OCoLC)fst01046244 |  |
|  | 650 |  |  | #7 |  |  | $a Operas, Chinese $x Social aspects. $2 fast $0 (OCoLC)fst01046246 |  |
|  | 651 |  |  | #7 |  |  | $a China. $2 fast $0 (OCoLC)fst01206073 |  |
|  | 648 |  |  | #7 |  |  | $a 1900-1999 $2 fast |  |
|  | 655 |  |  | #7 |  |  | $a Criticism, interpretation, etc. $2 fast $0 (OCoLC)fst01411635 |  |
|  | 655 |  |  | #7 |  |  | $a History. $2 fast $0 (OCoLC)fst01411628 |  |
|  | 830 |  |  | #0 |  |  | $a Harvard-Yenching Institute monograph series ; $v 117. |  |

* 1. **Electronic book**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | LDR |  |  |  |  |  | cam\8i\\ |  |
|  | 001 |  |  |  |  |  | \1054268209\\ |  |
|  | 005 |  |  |  |  |  | \20181107103227.9\\ |  |
|  | 008 |  |  |  |  |  | \180919s2019\\\\wau\\\\\o\\\\\001\0\eng\\\\006\m\\\\\o\\d\\\\\\\\ |  |
|  | 007 |  |  | ## |  |  | $a c $b r |  |
|  | 010 |  |  | ## |  |  | $a 2018045137 |  |
|  | 040 |  |  | ## |  |  | $b eng $e rda |  |
|  | 020 |  |  | ## |  |  | $a 9781680511536 $q (ebook) |  |
|  | 020 |  |  | ## |  |  | $a 168051153X |  |
|  | 020 |  |  | ## |  |  | $z 9781680511529 (pbk.) |  |
|  | 042 |  |  | ## |  |  | $a pcc |  |
|  | 043 |  |  | ## |  |  | $a n-us-ca |  |
|  | 050 |  |  | 10 |  |  | $a F868.Y6 |  |
|  | 082 |  |  | 00 |  |  | $a 979.4/47 $2 23 |  |
|  | 100 |  |  | 1# |  |  | $a McAllister, Harley, $e author. |  |
|  | 245 |  |  | 10 |  |  | $a Yosemite National Park : $b adventuring with kids / $c Harley and Abby McAllister |  |
|  | 264 |  |  | #1 |  |  | $a Seattle, WA : $b Mountaineers Books, $c 2019 |  |
|  | 300 |  |  | ## |  |  | $a 1 online resource |  |
|  | 336 |  |  | ## |  |  | $a text $b txt $2 rdacontent |  |
|  | 337 |  |  | ## |  |  | $a computer $b c $2 rdamedia |  |
|  | 338 |  |  | ## |  |  | $a online resource $b cr $2 rdacarrier |  |
|  | 490 |  |  | 0# |  |  | $a Adventuring with kids |  |
|  | 500 |  |  | ## |  |  | $a Includes index |  |
|  | 588 |  |  | ## |  |  | $a Description based on print version record and CIP data provided by publisher; resource not viewed |  |
|  | 651 |  |  | #0 |  |  | $a Yosemite National Park (Calif.) $v Guidebooks. |  |
|  | 650 |  |  | #0 |  |  | $a Family recreation $z California $z Yosemite National Park $v Guidebooks. |  |
|  | 650 |  |  | #0 |  |  | $a Children $x Travel $z California $z Yosemite National Park $v Guidebooks. |  |
|  | 650 |  |  | #0 |  |  | $a Outdoor recreation $z California $z Yosemite National Park $v Guidebooks. |  |
|  | 650 |  |  | #7 |  |  | $a Children $x Travel. $2 fast $0 (OCoLC)fst00855175 |  |
|  | 650 |  |  | #7 |  |  | $a Family recreation. $2 fast $0 (OCoLC)fst00920470 |  |
|  | 650 |  |  | #7 |  |  | $a Outdoor recreation. $2 fast $0 (OCoLC)fst01049159 |  |
|  | 651 |  |  | #7 |  |  | $a California $z Yosemite National Park. $2 fast $0 (OCoLC)fst01308988 |  |
|  | 655 |  |  | #7 |  |  | $a Guidebooks. $2 fast $0 (OCoLC)fst01423871 |  |
|  | 700 |  |  | 1# |  |  | $a McAllister, Abby, $e author. |  |
|  | 776 |  |  | 08 |  |  | $i Print version: $a McAllister, Harley, author. $t Yosemite National Park $d Seattle, WA :  Mountaineers Books, 2019 $z 9781680511529 $w (DLC) 2018044424 |  |
|  | 856 |  |  | 40 |  |  | $u [http://example.com](http://example.com/) $z example URL |  |

* 1. **Print serial [AACR2]**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | LDR |  |  |  |  |  | cas\\a |  |
|  | 001 |  |  |  |  |  | 23276603 |  |
|  | 005 |  |  |  |  |  | 20181121052904.4 |  |
|  | 008 |  |  |  |  |  | 910321d19912010nyubr\p\\\\\\\0\\\a0eng\c |  |
|  | 040 |  |  | ## |  |  | $b eng |  |
|  | 012 |  |  | ## |  |  | $a $j 1 $l y $m d |  |
|  | 016 |  |  | #7 |  |  | $a 010492682 $2 Uk |  |
|  | 019 |  |  | ## |  |  | $a 750806301 $a 758947201 $a 986711982 $a 988706676 $a 1064463992 |  |
|  | 022 |  |  | #0 |  |  | $a 1071-1023 $l 1071-1023 $y 0734-211X $2 1 |  |
|  | 042 |  |  | ## |  |  | $a pcc $a nsdp |  |
|  | 050 |  |  | #0 |  |  | $a TJ940 $b .J669 |  |
|  | 050 |  |  | #4 |  |  | $a T1 $b .J754 |  |
|  | 082 |  |  | #0 |  |  | $a 0621.381/05 $2 20 |  |
|  | 210 |  |  | 0# |  |  | $a J. vac. sci. technol., B, Microelectron. nanometer struct. |  |
|  | 222 |  |  | #0 |  |  | $a Journal of vacuum science & technology. B, Microelectronics and nanometer structures |  |
|  | 245 |  |  | 00 |  |  | $a Journal of vacuum science & technology. $n B, $p Microelectronics and nanometer structures : $b processing, measurement, and phenomena : an official journal of the American Vacuum Society |  |
|  | 246 |  |  | 1# |  |  | $i Vols. for <2003>-2010 have title: $a Journal of vacuum science & technology. $n B,  $p International journal devoted to microelectronics and nanometer structures : $b processing, measurement, and phenomena |  |
|  | 246 |  |  | 30 |  |  | $a Microelectronics and nanometer structures |  |
|  | 246 |  |  | 3# |  |  | $a Journal of vacuum science and technology. $n B, $p Microelectronics and nanometer structures |  |
|  | 246 |  |  | 13 |  |  | $a JVST B $f 1994- |  |
|  | 260 |  |  | ## |  |  | $a New York : $b Published for the Society by the American Institute of Physics, $c c1991- c2010 |  |
|  | 300 |  |  | ## |  |  | $a v. : $b ill. ; $c 29 cm |  |
|  | 310 |  |  | ## |  |  | $a Bimonthly |  |
|  | 362 |  |  | 0# |  |  | $a 2nd ser., v. 9, no. 1 (Jan./Feb. 1991)-2nd ser., v. 28, no. 1 (Jan./Feb. 2010) |  |
|  | 500 |  |  | ## |  |  | $a Title from cover |  |
|  | 510 |  |  | 0# |  |  | $a Chemical abstracts $x 0009-2258 |  |
|  | 580 |  |  | ## |  |  | $a Includes: Molecular Beam Epitaxy Workshop. Proceedings of the ... Molecular Beam Epitaxy Workshop, and: North American Conference on Molecular Beam Epitaxy. Papers from the ... North American Conference on Molecular Beam Epitaxy, also published separately |  |
|  | 580 |  |  | ## |  |  | $a Includes as the Nov./Dec. issue, 1993- : International Symposium on Electron, Ion, and Photon Beams. Papers from the ... International Symposium on Electron, Ion, and Photon Beams; as the Nov./Dec. issue, <1998->: International Conference on Electron, Ion, and Photon Beam Technology and Nanofabrication. Papers from the ... International Conference on Electron, Ion, and Photon Beam Technology and Nanofabrication, also published separately |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 580 | ## |  | $a Includes an issue: U.S. Workshop on the Physics and Chemistry of Mercury Cadmium Telluride and Related II-VI Compounds. Proceedings of the ... U.S. Workshop on the Physics and Chemistry of Mercury Cadmium Telluride and Related II-VI Compounds |
| 650 | #0 |  | $a Vacuum microelectronics $v Periodicals. |
| 650 | #0 |  | $a Microelectronics $v Periodicals. |
| 650 | #0 |  | $a Nanoparticles $x Measurement $v Periodicals. |
| 650 | #0 |  | $a Nanostructured materials $v Periodicals. |
| 650 | #7 |  | $a Microelectronics. $2 fast $0 (OCoLC)fst01019757 |
| 650 | #7 |  | $a Nanostructured materials. $2 fast $0 (OCoLC)fst01032630 |
| 650 | #7 |  | $a Vacuum microelectronics. $2 fast $0 (OCoLC)fst01163618 |
| 655 | #7 |  | $a Periodicals. $2 fast $0 (OCoLC)fst01411641 |
| 710 | 2# |  | $a American Vacuum Society. |
| 710 | 2# |  | $a American Institute of Physics. |
| 776 | 08 |  | $i Online version: $t Journal of vacuum science & technology. B, Microelectronics and nanometer structures (Online) $x 1520-8567 $w (DLC)sn 98004662 $w (OCoLC)37329836 |
| 780 | 00 |  | $t Journal of vacuum science & technology. B, Microelectronics processing and phenomena $x 0734-211X $w (DLC) 83642371 $w (OCoLC)8697479 |
| 785 | 00 |  | $t Journal of vacuum science and technology. B, Nanotechnology & microelectronics  $x 2166-2746 $w (DLC) 2012200197 $w (OCoLC)779188624 |
| 787 | 08 |  | $i CD-ROM: $t JVST. A & B $x 1071-8028 $w (DLC)sn 93004137 $w (OCoLC)28742810 |
| 787 | 0# |  | $a Molecular Beam Epitaxy Workshop. $t Proceedings of the ... Molecular Beam Epitaxy Workshop $x 1069-3351 $w (DLC) 94658569 $w (OCoLC)27992608 |
| 787 | 0# |  | $a U.S. Workshop on the Physics and Chemistry of Mercury Cadmium Telluride and Related II-VI Compounds. $t Proceedings of the ... U.S. Workshop on the Physics and Chemistry of Mercury Cadmium Telluride and Related II-VI Compounds $x 1063-9039 $w (DLC) 93643352 $w (OCoLC)26336322 |
| 787 | 0# |  | $a International Symposium on Electron, Ion, and Photon Beams. $t Papers from the ... International Symposium on Electron, Ion, and Photon Beams $x 1073-0788 $w (DLC) 94657484 $w (OCoLC)29331637 |
| 787 | 0# |  | $a International Conference on Electron, Ion, and Photon Beam Technology and Nanofabrication. $t Papers from the ... International Conference on Electron, Ion, and Photon Beam Technology and Nanofabrication $w (DLC) 2003208377 $w (OCoLC)51896256 |
| 787 | 1# |  | $a North American Conference on Molecular-Beam Epitaxy. $t Papers from the ... North American Conference on Molecular Beam Epitaxy $x 1074-9721 $w (DLC) 94658570 $w (OCoLC)29896172 |
| 787 | 08 |  | $i One special issue each year contains: $a International Vacuum Microelectronics  Conference. $t Proceedings of the ... International Vacuum Microelectronics Conference  $x 1068-4182 $w (DLC) 96644803 $w (OCoLC)27671096 |

* 1. **Online serial (RDA)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | LDR |  |  |  |  |  | cas\\i |
|  | 001 |  |  |  |  |  | 1039886422 |
|  | 005 |  |  |  |  |  | 20190301133306.9 |
|  | 008 |  |  |  |  |  | 180612c20169999sz\a\pso\\\\\0\\\a0eng\\\\006\m\\\\\o\\d\\\\\\\\ |
|  | 007 |  |  | ## |  |  | $a c $b r $d u $e u $f u |
|  | 010 |  |  | ## |  |  | $a 2019204056 |
|  | 040 |  |  | ## |  |  | $b eng $e rda $e pn |
|  | 022 |  |  | ## |  |  | $a 2365-6387 |
|  | 042 |  |  | ## |  |  | $a pcc |
|  | 050 |  |  | 00 |  |  | $a T174.7 $b .N37374 |
|  | 049 |  |  | ## |  |  | $a MYGG |
|  | 210 |  |  | 00 |  |  | $a Nanotechnol. environ. Eng |
|  | 245 |  |  | 00 |  |  | $a Nanotechnology for environmental engineering |
|  | 246 |  |  | 13 |  |  | $a NTEE |
|  | 264 |  |  | #1 |  |  | $a Cham (ZG), Switzerland : $b Springer International Publishing AG, $c [2016]- |
|  | 300 |  |  | ## |  |  | $a 1 online resource |
|  | 310 |  |  | ## |  |  | $a Annual |
|  | 336 |  |  | ## |  |  | $a text $b txt $2 rdacontent |
|  | 337 |  |  | ## |  |  | $a computer $b c $2 rdamedia |
|  | 338 |  |  | ## |  |  | $a online resource $b cr $2 rdacarrier |
|  | 362 |  |  | 1# |  |  | $a Began with volume 1, number 1 (December 2016) |
|  | 515 |  |  | ## |  |  | $a Issues available as published and compiled in an annual volume |
|  | 588 |  |  | ## |  |  | $a Description based on: Volume 1, number 1 (December 2016); title from journal  homepage (SpringerLink website, viewed March 1, 2019) |
|  | 588 |  |  | ## |  |  | $a Latest issue consulted: Volume 4, number 1 (December 2019) (SpringerLink website,  viewed March 1, 2019) |
|  | 650 |  |  | #0 |  |  | $a Nanotechnology $x Environmental aspects $v Periodicals. |
|  | 650 |  |  | #0 |  |  | $a Environmental engineering $v Periodicals. |
|  | 650 |  |  | #7 |  |  | $a Environmental engineering. $2 fast $0 (OCoLC)fst00912934 |
|  | 655 |  |  | #7 |  |  | $a Periodicals. $2 fast $0 (OCoLC)fst01411641 |
|  | 776 |  |  | 08 |  |  | $i Print version: $t Nanotechnology for environmental engineering $x 2365-6379 $w (DLC) 2018214003 $w (OCoLC)1019910862 |
|  | 856 |  |  | 40 |  |  | $u [http://example.com](http://example.com/) $z example URL |