

# Paul Evans

## List of Publications by Year in descending order

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145  
papers

3,065  
citations

201674

27  
h-index

189892

50  
g-index

147  
all docs

147  
docs citations

147  
times ranked

4633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallization of charge holes in the spin ladder of Sr <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub> . Nature, 2004, 431, 1078-1081.	27.8	168
2	Electronic transport in nanometre-scale silicon-on-insulator membranes. Nature, 2006, 439, 703-706.	27.8	165
3	Direct oriented growth of armchair graphene nanoribbons on germanium. Nature Communications, 2015, 6, 8006.	12.8	157
4	Nanosecond Domain Wall Dynamics in Ferroelectric Pb(Zr,Ti)O <sub>3</sub> Thin Films. Physical Review Letters, 2006, 96, 187601.	7.8	138
5	X-ray Microdiffraction Images of Antiferromagnetic Domain Evolution in Chromium. Science, 2002, 295, 1042-1045.	12.6	106
6	Electronic Origin of Ultrafast Photoinduced Strain in $\text{BiFeO}_3$ . Physical Review Letters, 2013, 110, 037601.	7.8	106
7	Structural visualization of polarization fatigue in epitaxial ferroelectric oxide devices. Nature Materials, 2004, 3, 365-369.	27.5	95
8	Localized Excited Charge Carriers Generate Ultrafast Inhomogeneous Strain in the Multiferroic $\text{BiFeO}_3$ . Physical Review Letters, 2014, 112, 097602.	7.8	89
9	Grafting of poly(3-hexylthiophene) brushes on oxides using click chemistry. Journal of Materials Chemistry, 2010, 20, 2651-2658.	6.7	83
10	Ambipolar rubrene thin film transistors. Applied Physics Letters, 2006, 88, 232114.	3.3	80
11	Channel formation in single-monolayer pentacene thin film transistors. Journal Physics D: Applied Physics, 2007, 40, 3506-3511.	2.8	79
12	Ultrafast terahertz-field-driven ionic response in ferroelectric $\text{BaTiO}_3$ . Physical Review B, 2016, 94, .	3.2	78
13	Mechano-electronic Superlattices in Silicon Nanoribbons. ACS Nano, 2009, 3, 721-727.	14.6	66
14	Subterahertz collective dynamics of polar vortices. Nature, 2021, 592, 376-380.	27.8	66
15	Nanosecond Dynamics of Ferroelectric/Dielectric Superlattices. Physical Review Letters, 2011, 107, 055501.	7.8	58
16	Is there a simple theory of sonoluminescence?. Nature, 2001, 409, 782-783.	27.8	56
17	Morphological Evolution of ZnO Thin Films Deposited by Reactive Sputtering. Crystal Growth and Design, 2004, 4, 147-156.	3.0	53
18	Nonlinear Piezoelectricity in Epitaxial Ferroelectrics at High Electric Fields. Physical Review Letters, 2008, 100, 027604.	7.8	50

#	ARTICLE	IF	CITATIONS
19	High Hole Mobility and Thickness-Dependent Crystal Structure in $\pm$ -Dihexylsexithiophene Single-Monolayer Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 554-564.	14.9	50
20	Local mapping of strain at grain boundaries in colossal magnetoresistive films using x-ray microdiffraction. <i>Journal of Applied Physics</i> , 2002, 91, 7742.	2.5	42
21	Functional Self-Assembled Monolayers for Optimized Photoinduced Charge Transfer in Organic Field Effect Transistors. <i>Advanced Materials</i> , 2007, 19, 4353-4357.	21.0	42
22	Magneto-responsive liquid crystalline elastomer nanocomposites as potential candidates for dynamic cell culture substrates. <i>Materials Science and Engineering C</i> , 2016, 65, 369-378.	7.3	42
23	Orientation of pentacene molecules on SiO <sub>2</sub> : From a monolayer to the bulk. <i>Journal of Chemical Physics</i> , 2007, 126, 154702.	3.0	38
24	Nanoscale Distortions of Si Quantum Wells in Si/SiGe Quantum-Electronic Heterostructures. <i>Advanced Materials</i> , 2012, 24, 5217-5221.	21.0	35
25	Graphene-induced Ge (001) surface faceting. <i>Surface Science</i> , 2016, 647, 90-95.	1.9	35
26	Electron mobility enhancement in ZnO thin films via surface modification by carboxylic acids. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	34
27	Giant optical enhancement of strain gradient in ferroelectric BiFeO <sub>3</sub> thin films and its physical origin. <i>Scientific Reports</i> , 2015, 5, 16650.	3.3	33
28	Piezoelectricity in the Dielectric Component of Nanoscale Dielectric-Ferroelectric Superlattices. <i>Physical Review Letters</i> , 2010, 104, 207601.	7.8	28
29	Field-Dependent Domain Distortion and Interlayer Polarization Distribution in $\text{PbTiO}_3$ . <i>Physical Review Letters</i> , 2013, 110, 047601.	7.8	28
30	Subnanosecond piezoelectric x-ray switch. <i>Applied Physics Letters</i> , 2006, 89, 021109.	3.3	27
31	Time correlated single photon Mie scattering from a sonoluminescing bubble. <i>Physical Review E</i> , 2000, 61, R1020-R1023.	2.1	26
32	Electrical conductivity in silicon nanomembranes. <i>New Journal of Physics</i> , 2006, 8, 200-200.	2.9	25
33	Microscopic and Macroscopic Signatures of Antiferromagnetic Domain Walls. <i>Physical Review Letters</i> , 2007, 98, 117206.	7.8	25
34	Hysteretic adsorption of CO <sub>2</sub> onto a Cu <sub>2</sub> (pzdc) <sub>2</sub> (bpy) porous coordination polymer and concomitant framework distortion. <i>Dalton Transactions</i> , 2014, 43, 10877-10884.	3.3	25
35	Mesoscopic structural phase progression in photo-excited VO <sub>2</sub> revealed by time-resolved x-ray diffraction microscopy. <i>Scientific Reports</i> , 2016, 6, 21999.	3.3	24
36	Enhanced hole mobility in ambipolar rubrene thin film transistors on polystyrene. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	23

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37	Nanomembrane-based materials for Group IV semiconductor quantum electronics. Scientific Reports, 2014, 4, 4218.	3.3	23
38	Structural Consequences of Ferroelectric Nanolithography. Nano Letters, 2011, 11, 3080-3084.	9.1	22
39	Shear Modulus and Plasticity of a Driven Charge Density Wave. Physical Review Letters, 2006, 96, 046401.	7.8	20
40	Photoinduced Domain Pattern Transformation in Ferroelectric-Dielectric Superlattices. Physical Review Letters, 2017, 119, 057601.	7.8	20
41	Crystallization of amorphous complex oxides: New geometries and new compositions via solid phase epitaxy. Current Opinion in Solid State and Materials Science, 2018, 22, 229-242.	11.5	20
42	<i>IN SITU</i> X-RAY PROBES FOR PIEZOELECTRICITY IN EPITAXIAL FERROELECTRIC CAPACITORS. Integrated Ferroelectrics, 2008, 101, 174-181.	0.7	19
43	Molecular structure of extended defects in monolayer-scale pentacene thin films. Journal of Applied Physics, 2009, 106, .	2.5	18
44	Ordered Hydrophobic Organosilicates Templated by Block Copolymers. Chemistry of Materials, 2002, 14, 5173-5178.	6.7	17
45	Distinct Nucleation and Growth Kinetics of Amorphous SrTiO <sub>3</sub> on (001) SrTiO <sub>3</sub> and SiO <sub>2</sub> /Si: A Step toward New Architectures. ACS Applied Materials & Interfaces, 2017, 9, 41034-41042.	8.0	17
46	Mesoscopic Elastic Distortions in GaAs Quantum Dot Heterostructures. Nano Letters, 2018, 18, 2780-2786.	9.1	17
47	Stability of the unswitched polarization state of ultrathin epitaxial $\text{PbZr}_{16}\text{Ti}_{16}\text{O}_{100}$ large electric fields. Physical Review B, 2009, 80, .	3.2	16
48	Electrode-stress-induced nanoscale disorder in Si quantum electronic devices. APL Materials, 2016, 4, 066102.	5.1	16
49	Thermal Fluctuations of Ferroelectric Nanodomains in a Ferroelectric-Dielectric $\text{PbTiO}_3/\text{SrTiO}_3$ Superlattice. Physical Review Letters, 2017, 118, 097601.	7.8	16
50	Domain alignment within ferroelectric/dielectric $\text{PbTiO}_3/\text{SrTiO}_3$ superlattice nanostructures. Nanoscale, 2018, 10, 3262-3271.	5.6	16
51	Nanoscale Epitaxially Induced Phase Transformation in Compressively Strained $\text{BiFeO}_3/\text{LaAlO}_3$ on $\text{SrTiO}_3$ . Physical Review Letters, 2019, 123, 045703.	7.8	16
52	Edge-induced flattening in the fabrication of ultrathin freestanding crystalline silicon sheets. Applied Physics Letters, 2013, 102, .	3.3	15
53	Low-temperature homoepitaxial growth on Si(111) through a Pb monolayer. Applied Physics Letters, 1998, 73, 3120-3122.	3.3	14
54	Chemical Nanomachining of Silicon by Gold-Catalyzed Oxidation. Nano Letters, 2007, 7, 2009-2013.	9.1	14

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55	Nonlinearity in the high-electric-field piezoelectricity of epitaxial BiFeO <sub>3</sub> on SrTiO <sub>3</sub> . Applied Physics Letters, 2012, 100, 062906.	3.3	14
56	Germanium hut nanostressors on freestanding thin silicon membranes. Applied Physics Letters, 2005, 87, 073112.	3.3	13
57	Sculpting Semiconductor Heteroepitaxial Islands: From Dots to Rods. Physical Review Letters, 2007, 98, 106102.	7.8	13
58	Solid-Phase Epitaxy of Perovskite High Dielectric PrAlO <sub>3</sub> Films Grown by Atomic Layer Deposition for Use in Two-Dimensional Electronics and Memory Devices. ACS Applied Nano Materials, 2019, 2, 7449-7458.	5.0	13
59	Phase Selection and Structure of Low-Defect-Density $\hat{\text{I}}^3\text{-Al}_2\text{O}_3$ Created by Epitaxial Crystallization of Amorphous Al <sub>2</sub> O <sub>3</sub> . ACS Applied Materials & Interfaces, 2020, 12, 57598-57608.	8.0	13
60	Anisotropic relaxation and crystallographic tilt in BiFeO <sub>3</sub> on miscut SrTiO <sub>3</sub> (001). Applied Physics Letters, 2010, 96, 051901.	3.3	12
61	Ordering of nanostressors on free-standing silicon nanomembranes and nanoribbons. New Journal of Physics, 2010, 12, 103011.	2.9	12
62	Kinetic transition in the growth of Al nanocrystals in Al-Sm alloys. Journal of Applied Physics, 2012, 111, 063525.	2.5	12
63	Tough aliphatic-aromatic copolyester and chicken egg white flexible biopolymer blend with bacteriostatic effects. Food Packaging and Shelf Life, 2018, 15, 9-16.	7.5	12
64	Phase Behavior of Mixed Polymer Brushes Grown from Ultrathin Coatings. ACS Macro Letters, 2019, 8, 1086-1090.	4.8	12
65	Magnetic x-ray microdiffraction. Journal Physics D: Applied Physics, 2006, 39, R245-R263.	2.8	11
66	Molecular and biomolecular interfaces to metal oxide semiconductors. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 200-205.	0.8	11
67	Thermal Diffuse Scattering as a Probe of Large-Wave-Vector Phonons in Silicon Nanostructures. Physical Review Letters, 2013, 110, 205503.	7.8	11
68	Epitaxy of Small Organic Molecules. , 2015, , 509-554.		11
69	Synchronizing fast electrically driven phenomena with synchrotron x-ray probes. Review of Scientific Instruments, 2007, 78, 023105.	1.3	10
70	Dipolar Chromophore Functional Layers in Organic Field Effect Transistors. Advanced Materials, 2008, 20, 4180-4184.	21.0	10
71	Component-specific electromechanical response in a ferroelectric/dielectric superlattice. Physical Review B, 2010, 82, .	3.2	10
72	Lattice expansion and ligand twist during CO <sub>2</sub> adsorption in flexible Cu bipyridine metal-organic frameworks. Journal of Materials Chemistry A, 2020, 8, 18903-18915.	10.3	10

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73	Doping by metal-mediated epitaxy: Growth of As delta-doped Si through a Pb monolayer. Applied Physics Letters, 2001, 78, 1505-1507.	3.3	9
74	Microfabricated strained substrates for Ge epitaxial growth. Journal of Applied Physics, 2005, 97, 103501.	2.5	9
75	Electrical properties of GaN/poly(3-hexylthiophene) interfaces. Journal of Applied Physics, 2009, 106, .	2.5	9
76	Molecular control of pentacene/ZnO photoinduced charge transfer. Applied Physics Letters, 2011, 98, .	3.3	9
77	Condensation of collective charge ordering in chromium. Physical Review B, 2015, 91, .	3.2	9
78	Optically Reconfigurable Monolayer of Azobenzene Donor Molecules on Oxide Surfaces. Langmuir, 2017, 33, 2157-2168.	3.5	9
79	Solid-phase epitaxial growth of the correlated-electron transparent conducting oxide $\text{SrV}_3\text{O}_{10}$ . Physical Review Materials, 2021, 5, .	2.4	9
80	Structural sensitivity of x-ray Bragg projection ptychography to domain patterns in epitaxial thin films. Physical Review A, 2016, 94, .	2.5	8
81	Combining experiment and optical simulation in coherent X-ray nanobeam characterization of Si/SiGe semiconductor heterostructures. Journal of Applied Physics, 2016, 120, 015304.	2.5	8
82	Lithium Functionalization Promoted by Amide-Containing Ligands of a Cu( <i>pzdc</i> )( <i>pia</i> ) Porous Coordination Polymer for CO <sub>2</sub> Adsorption Enhancement. Crystal Growth and Design, 2020, 20, 3898-3912.	3.0	8
83	Molecular-scale structural distortion near vacancies in pentacene. Applied Physics Letters, 2008, 92, 153313.	3.3	7
84	Structural observation of piezoelectric inhomogeneity in a mixed-orientation Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> perovskite thin film. Applied Physics Letters, 2014, 105, .	3.3	7
85	Photoisomerization Dynamics in a Densely Packed Optically Transformable Azobenzene Monolayer. Langmuir, 2018, 34, 10828-10836.	3.5	7
86	Dynamical scattering in coherent hard x-ray nanobeam Bragg diffraction. Physical Review B, 2018, 97, .	3.2	7
87	Seeded Lateral Solid-Phase Crystallization of the Perovskite Oxide SrTiO <sub>3</sub> . Journal of Physical Chemistry C, 2019, 123, 7447-7456.	3.1	7
88	Dynamics of photoinduced charge transfer between pentacene and a C60-terminated self-assembled monolayer. Applied Physics Letters, 2009, 94, .	3.3	6
89	Molecular-Scale Structure of a Nitrobenzene Monolayer on Si(001). Journal of Physical Chemistry C, 2011, 115, 3011-3017.	3.1	6
90	Spatially confined low-power optically pumped ultrafast synchrotron x-ray nanodiffraction. Review of Scientific Instruments, 2015, 86, 083904.	1.3	6

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91	Nanosecond Phase Transition Dynamics in Compressively Strained Epitaxial BiFeO <sub>3</sub> . Advanced Electronic Materials, 2016, 2, 1500204.	5.1	6
92	Advances in Scattering Probes for Materials. MRS Bulletin, 2010, 35, 495-503.	3.5	5
93	Thin films of a ferroelectric phenazine/chloranilic acid organic cocrystal. Journal of Crystal Growth, 2011, 327, 258-261.	1.5	5
94	Domain- and symmetry-transition origins of reduced nanosecond piezoelectricity in ferroelectric/dielectric superlattices. New Journal of Physics, 2012, 14, 013034.	2.9	5
95	Structured Layer of Rhenium Dye on SiO <sub>2</sub> and TiO <sub>2</sub> Surfaces by Langmuir-Blodgett Technique. Langmuir, 2014, 30, 6104-6113.	3.5	5
96	Non-thermal fluence threshold for femtosecond pulsed x-ray radiation damage in perovskite complex oxide epitaxial heterostructures. Applied Physics Letters, 2019, 115, .	3.3	5
97	Structural Evidence for Ultrafast Polarization Rotation in Ferroelectric/Dielectric Superlattice Nanodomains. Physical Review X, 2021, 11, .	8.9	5
98	Structural imaging of nanoscale phonon transport in ferroelectrics excited by metamaterial-enhanced terahertz fields. Physical Review Materials, 2017, 1, .	2.4	5
99	Low-Temperature Si (111) Homoepitaxy and Doping Mediated by a Monolayer of Pb. Materials Research Society Symposia Proceedings, 1999, 570, 45.	0.1	4
100	Comment on "Mie scattering from a sonoluminescing bubble with high spatial and temporal resolution" [Physical Review E 61, 5253 (2000)]. Physical Review E, 2001, 64, 038301.	2.1	4
101	Nanostructure formation in the initial roughening of a thin silicon sheet. Physical Review B, 2010, 81, .	3.2	4
102	Optical design of the short pulse x-ray imaging and microscopy time-angle correlated diffraction beamline at the Advanced Photon Source. Review of Scientific Instruments, 2013, 84, 053103.	1.3	4
103	Searching for a route to synthesize in situ epitaxial Pr <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> thin films with thermodynamic methods. Npj Computational Materials, 2021, 7, .	8.7	4
104	Reconfiguration of Amorphous Complex Oxides: A Route to a Broad Range of Assembly Phenomena, Hybrid Materials, and Novel Functionalities. Small, 2022, 18, e2105424.	10.0	4
105	Subpicosecond Optical Stress Generation in Multiferroic BiFeO <sub>3</sub> . Nano Letters, 2022, 22, 4294-4300.	9.1	4
106	NANOSECOND STRUCTURAL VISUALIZATION OF THE REPRODUCIBILITY OF POLARIZATION SWITCHING IN FERROELECTRICS. Integrated Ferroelectrics, 2006, 85, 165-173.	0.7	3
107	Spectral resolution of states relevant to photoinduced charge transfer in modified pentacene/ZnO field-effect transistors. Applied Physics Letters, 2011, 99, .	3.3	3
108	Compact ultrahigh vacuum sample environments for x-ray nanobeam diffraction and imaging. Review of Scientific Instruments, 2013, 84, 113903.	1.3	3

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109	Fabrication and convergent X-ray nanobeam diffraction characterization of submicron-thickness SrTiO <sub>3</sub> crystalline sheets. <i>APL Materials</i> , 2016, 4, 126108.	5.1	3
110	Simultaneous scanning near-field optical and X-ray diffraction microscopy for correlative nanoscale structure-property characterization. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1790-1796.	2.4	3
111	Resonant nanodiffraction x-ray imaging reveals role of magnetic domains in complex oxide spin caloritronics. <i>Science Advances</i> , 2020, 6, .	10.3	3
112	Instrument for in situ hard x-ray nanobeam characterization during epitaxial crystallization and materials transformations. <i>Review of Scientific Instruments</i> , 2021, 92, 023908.	1.3	3
113	Dynamic Tilting of Ferroelectric Domain Walls Caused by Optically Induced Electronic Screening. <i>Physical Review Letters</i> , 2021, 127, 097402.	7.8	3
114	Optical transient grating pumped X-ray diffraction microscopy for studying mesoscale structural dynamics. <i>Scientific Reports</i> , 2021, 11, 19322.	3.3	3
115	X-ray nanodiffraction imaging reveals distinct nanoscopic dynamics of an ultrafast phase transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118597119.	7.1	3
116	X-ray microscopy at the advanced photon source. <i>Synchrotron Radiation News</i> , 2003, 16, 34-42.	0.8	2
117	Structural dynamics of PZT thin films at the nanoscale. <i>Materials Research Society Symposia Proceedings</i> , 2005, 902, 1.	0.1	2
118	Device Isolation in Hybrid Field-Effect Transistors by Semiconductor Micropatterning Using Picosecond Lasers. <i>Physical Review Applied</i> , 2014, 2, .	3.8	2
119	Fabrication of flat SiGe heterostructure nanomembrane windows via strain-relief patterning. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 015306.	2.8	2
120	Electrode-induced lattice distortions in GaAs multi-quantum-dot arrays. <i>Journal of Materials Research</i> , 2019, 34, 1291-1301.	2.6	2
121	Role of temperature-dependent electron trapping dynamics in the optically driven nanodomain transformation in a PbTiO <sub>3</sub> /SrTiO <sub>3</sub> superlattice. <i>Applied Physics Letters</i> , 2020, 116, 012901.	3.3	2
122	Reduction of Interface Reactions in the Low-Temperature Solid-Phase Epitaxy of ScAlMgO <sub>4</sub> on Al <sub>2</sub> O <sub>3</sub> (0001). <i>Crystal Growth and Design</i> , 2020, 20, 6001-6007.	3.0	2
123	Comment on "Low-temperature homoepitaxial growth on high-miscut Si(111) mediated by thin overlayers of Pb" [ <i>Appl. Phys. Lett.</i> 75, 2954 (1999)]. <i>Applied Physics Letters</i> , 2000, 77, 2616-2616.	3.3	1
124	Synchrotron X-ray Microdiffraction Images of Polarization Switching in Epitaxial PZT Capacitors with Pt and SrRuO <sub>3</sub> Top Electrodes. <i>Materials Research Society Symposia Proceedings</i> , 2003, 784, 641.	0.1	1
125	Design and characterization of pentacene-inorganic interfaces. <i>Physica B: Condensed Matter</i> , 2007, 401-402, 686-690.	2.7	1
126	Reduced-temperature solution-processed transparent oxide low-voltage-operable field-effect transistors. <i>MRS Communications</i> , 2015, 5, 605-611.	1.8	1



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127	Three-dimensional phonon population anisotropy in silicon nanomembranes. Physical Review B, 2017, 96, .	3.2	1
128	Stressor-layer-induced elastic strain sharing in SrTiO <sub>3</sub> complex oxide sheets. Applied Physics Letters, 2018, 112, 091905.	3.3	1
129	Reply to "Comment on "Ultrafast terahertz-field-driven ionic response in ferroelectric BaTiO <sub>3</sub> " Physical Review B, 2018, 97, .		
130	Evaluation of Volatility and Thermal Stability in Monomeric and Dimeric Lanthanide(III) Complexes Containing Enaminolate Ligands. Organometallics, 2021, 40, 1270-1283.	2.3	1
131	Optically Induced Picosecond Lattice Compression in the Dielectric Component of a Strongly Coupled Ferroelectric/Dielectric Superlattice. Advanced Electronic Materials, 0, , 2101051.	5.1	1
132	Crystallographic Rotation during Solid-Phase Epitaxy of SrTiO <sub>3</sub> from Nanoscale Seed Crystals. Crystal Growth and Design, 2022, 22, 4043-4048.	3.0	1
133	Light emission from Er at the As-terminated Si(111) surface. Applied Physics Letters, 2000, 77, 2165-2167.	3.3	0
134	Crystallization of Charge Holes in the Spin Ladder of Sr <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub> .. ChemInform, 2005, 36, no.	0.0	0
135	Transverse correlations and plasticity in the CDW conductor NbSe <sub>3</sub> studied by X-ray microbeam diffraction. European Physical Journal Special Topics, 2005, 131, 139-142.	0.2	0
136	Molecular-Scale Structure of Pentacene Interfaces with Si (111). Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
137	Structural Response of BaTiO <sub>3</sub> /CaTiO <sub>3</sub> Superlattice to Applied Electric Fields. Materials Research Society Symposia Proceedings, 2009, 1199, 18.	0.1	0
138	Picosecond Structural Dynamics at the Advanced Photon Source. Synchrotron Radiation News, 2010, 23, 18-25.	0.8	0
139	Single-Crystalline Elastically Relaxed SiGe Nanomembranes: Substrates for Epitaxial Growth of Defect-Free Strained-Si/SiGe Heterostructures. , 2012, , .		0
140	Ultrafast Photostriction in Thin Film Bismuth Ferrite and its Correlation to Electronic Dynamics. Materials Research Society Symposia Proceedings, 2013, 1528, 1.	0.1	0
141	Synchrotron x-ray thermal diffuse scattering probes for phonons in Si/SiGe/Si trilayer nanomembranes. MRS Advances, 2016, 1, 3263-3268.	0.9	0
142	Emerging methods and opportunities in nanoscale materials characterization. Current Opinion in Solid State and Materials Science, 2018, 22, 169-170.	11.5	0
143	A short-pulse X-ray beamline for spectroscopy and scattering. Journal of Synchrotron Radiation, 2014, 21, 1194-1199.	2.4	0
144	Structural phase progression in photo-excited VO <sub>2</sub> . , 2016, , .		0

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145	Experimental Investigation of Bulk and Thin Film Perovskite SrVO <sub>3</sub> as a Thermionic Cathode Material. , 2020, , .		0