## Jeffrey C Grossman

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

 125
 5,353
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 papers
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 6,820
 12
 6.58

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
125	Crystal Graph Convolutional Neural Networks for an Accurate and Interpretable Prediction of Material Properties. <i>Physical Review Letters</i> , <b>2018</b> , 120, 145301	7.4	494
124	Exciton radiative lifetimes in two-dimensional transition metal dichalcogenides. <i>Nano Letters</i> , <b>2015</b> , 15, 2794-800	11.5	409
123	Scalable enhancement of graphene oxide properties by thermally driven phase transformation.  Nature Chemistry, <b>2014</b> , 6, 151-8	17.6	261
122	Multilayer Nanoporous Graphene Membranes for Water Desalination. <i>Nano Letters</i> , <b>2016</b> , 16, 1027-33	11.5	242
121	Quantifying the potential of ultra-permeable membranes for water desalination. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1134-1141	35.4	227
120	Templated assembly of photoswitches significantly increases the energy-storage capacity of solar thermal fuels. <i>Nature Chemistry</i> , <b>2014</b> , 6, 441-7	17.6	201
119	Atomistic understandings of reduced graphene oxide as an ultrathin-film nanoporous membrane for separations. <i>Nature Communications</i> , <b>2015</b> , 6, 8335	17.4	167
118	Ultralow thermal conductivity in all-inorganic halide perovskites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 8693-8697	11.5	156
117	Optically-controlled long-term storage and release of thermal energy in phase-change materials. <i>Nature Communications</i> , <b>2017</b> , 8, 1446	17.4	144
116	Water permeability of nanoporous graphene at realistic pressures for reverse osmosis desalination. Journal of Chemical Physics, <b>2014</b> , 141, 074704	3.9	138
115	Self-Driven Photodetector and Ambipolar Transistor in Atomically Thin GaTe-MoS2 p-n vdW Heterostructure. <i>ACS Applied Materials &amp; Amp; Interfaces</i> , <b>2016</b> , 8, 2533-9	9.5	126
114	Polarity governs atomic interaction through two-dimensional materials. <i>Nature Materials</i> , <b>2018</b> , 17, 999	)- <b>19</b> 04	107
113	Atomic Structure and Dynamics of Single Platinum Atom Interactions with Monolayer MoS. <i>ACS Nano</i> , <b>2017</b> , 11, 3392-3403	16.7	94
112	Machine Learning Enabled Computational Screening of Inorganic Solid Electrolytes for Suppression of Dendrite Formation in Lithium Metal Anodes. <i>ACS Central Science</i> , <b>2018</b> , 4, 996-1006	16.8	92
111	Optical and Electronic Properties of Two-Dimensional Layered Materials. <i>Nanophotonics</i> , <b>2017</b> , 6, 479-4	· <b>96</b> .3	86
110	Solid-State Solar Thermal Fuels for Heat Release Applications. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502	2 <b>0:0:6</b> 8	74
109	Photovoltaic Performance of PbS Quantum Dots Treated with Metal Salts. <i>ACS Nano</i> , <b>2016</b> , 10, 3382-8	16.7	70

## (2013-2017)

108	Molecularly Engineered Azobenzene Derivatives for High Energy Density Solid-State Solar Thermal Fuels. <i>ACS Applied Materials &amp; Amp; Interfaces</i> , <b>2017</b> , 9, 8679-8687	9.5	68	
107	Identifying and Eliminating Emissive Sub-bandgap States in Thin Films of PbS Nanocrystals. <i>Advanced Materials</i> , <b>2015</b> , 27, 4481-4486	24	68	
106	Photon energy storage materials with high energy densities based on diacetylene Zobenzene derivatives. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16157-16165	13	62	
105	Atomically Flat Zigzag Edges in Monolayer MoS by Thermal Annealing. <i>Nano Letters</i> , <b>2017</b> , 17, 5502-550	07 <sub>11.5</sub>	58	
104	Correlations from Ion Pairing and the Nernst-Einstein Equation. <i>Physical Review Letters</i> , <b>2019</b> , 122, 136	0 <del>9</del> 14	56	
103	Insight on Tricalcium Silicate Hydration and Dissolution Mechanism from Molecular Simulations. <i>ACS Applied Materials &amp; Discounty of the ACS Applied &amp; Discounty of the ACS Applied Materials &amp; Discounty</i>	9.5	56	
102	High-efficiency thermoelectrics with functionalized graphene. <i>Nano Letters</i> , <b>2015</b> , 15, 2830-5	11.5	56	
101	Sleep quality, duration, and consistency are associated with better academic performance in college students. <i>Npj Science of Learning</i> , <b>2019</b> , 4, 16	6	55	
100	Photoswitchable Molecular Rings for Solar-Thermal Energy Storage. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 854-60	6.4	54	
99	Solar energy generation in three dimensions. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6880	35.4	52	
98	Laser-sculptured ultrathin transition metal carbide layers for energy storage and energy harvesting applications. <i>Nature Communications</i> , <b>2019</b> , 10, 3112	17.4	48	
97	Ionic Highways from Covalent Assembly in Highly Conducting and Stable Anion Exchange Membrane Fuel Cells. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18152-18159	16.4	48	
96	MoS2 Enhanced T-Phase Stabilization and Tunability Through Alloying. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2304-9	6.4	48	
95	The Characterization, Stability, and Reactivity of Synthetic Calcium Silicate Surfaces from First Principles. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 15214-15219	3.8	45	
94	Graph dynamical networks for unsupervised learning of atomic scale dynamics in materials. <i>Nature Communications</i> , <b>2019</b> , 10, 2667	17.4	43	
93	Enhanced Cell Capture on Functionalized Graphene Oxide Nanosheets through Oxygen Clustering. <i>ACS Nano</i> , <b>2017</b> , 11, 1548-1558	16.7	42	
92	Interplay between intrinsic defects, doping, and free carrier concentration in SrTiO3 thin films. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	42	
91	High Surface Reactivity and Water Adsorption on NiFe2O4 (111) Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5678-5683	3.8	40	

90	Ultralong 1D Vacancy Channels for Rapid Atomic Migration during 2D Void Formation in Monolayer MoS. <i>ACS Nano</i> , <b>2018</b> , 12, 7721-7730	16.7	38
89	Role of Structural Defects in the Water Adsorption Properties of MOF-801. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 5545-5552	3.8	37
88	Optically-regulated thermal energy storage in diverse organic phase-change materials. <i>Chemical Communications</i> , <b>2018</b> , 54, 10722-10725	5.8	37
87	Room Temperature Multiferroicity of Charge Transfer Crystals. <i>ACS Nano</i> , <b>2015</b> , 9, 9373-9	16.7	35
86	Toward Designing Highly Conductive Polymer Electrolytes by Machine Learning Assisted Coarse-Grained Molecular Dynamics. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4144-4151	9.6	35
85	Charge separation in nanoscale photovoltaic materials: recent insights from first-principles electronic structure theory. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1053-1061		34
84	Rethinking Coal: Thin Films of Solution Processed Natural Carbon Nanoparticles for Electronic Devices. <i>Nano Letters</i> , <b>2016</b> , 16, 2951-7	11.5	33
83	Origins of the Stokes Shift in PbS Quantum Dots: Impact of Polydispersity, Ligands, and Defects. <i>ACS Nano</i> , <b>2018</b> , 12, 2838-2845	16.7	32
82	Strain-induced accelerated asymmetric spatial degradation of polymeric vascular scaffolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2640-2645	11.5	31
81	Hierarchical visualization of materials space with graph convolutional neural networks. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 174111	3.9	30
80	Heat Conduction in Nanostructured Materials Predicted by Phonon Bulk Mean Free Path Distribution. <i>Journal of Heat Transfer</i> , <b>2015</b> , 137,	1.8	29
79	Mesoscale modeling of phononic thermal conductivity of porous Si: interplay between porosity, morphology and surface roughness. <i>Journal of Computational Electronics</i> , <b>2012</b> , 11, 8-13	1.8	29
78	Photoluminescent Arrays of Nanopatterned Monolayer MoS2. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703688	15.6	28
77	Conformal Electroplating of Azobenzene-Based Solar Thermal Fuels onto Large-Area and Fiber Geometries. <i>ACS Applied Materials &amp; Description</i> (1997) <i>ACS Applied Materials &amp; Description</i> (1997) <i>ACS Applied Materials &amp; Description</i> (1997) <i>Description</i> (1997) <i>D</i>	9.5	27
76	Torsional Deformations in Subnanometer MoS Interconnecting Wires. <i>Nano Letters</i> , <b>2016</b> , 16, 1210-7	11.5	27
75	Revealing the Cluster-Cloud and Its Role in Nanocrystallization. <i>Advanced Materials</i> , <b>2019</b> , 31, e180822.	5 24	26
74	Role of solvent-anion charge transfer in oxidative degradation of battery electrolytes. <i>Nature Communications</i> , <b>2019</b> , 10, 3360	17.4	26
73	Atomic Structure and Dynamics of Defects in 2D MoS Bilayers. <i>ACS Omega</i> , <b>2017</b> , 2, 3315-3324	3.9	26

## (2015-2014)

72	Origins of hole traps in hydrogenated nanocrystalline and amorphous silicon revealed through machine learning. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	26
71	Failing Forward: Stability of Transparent Electrodes Based on Metal Nanowire Networks. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004356	24	25
70	Striated 2D Lattice with Sub-nm 1D Etch Channels by Controlled Thermally Induced Phase Transformations of PdSe. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904251	24	24
69	Inorganic Cage Motion Dominates Excited-State Dynamics in 2D-Layered Perovskites (CxH2x+1NH3)2PbI4 (x = 4日). <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 27904-27916	3.8	24
68	Three-dimensional photovoltaics. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 071902	3.4	24
67	Double-Sided Graphene Oxide Encapsulated Silver Nanowire Transparent Electrode with Improved Chemical and Electrical Stability. <i>ACS Applied Materials &amp; District Stability</i> , 17909-17920	9.5	24
66	Atomic Structure and Dynamics of Self-Limiting Sub-Nanometer Pores in Monolayer WS. <i>ACS Nano</i> , <b>2018</b> , 12, 11638-11647	16.7	24
65	Stress effects on the Raman spectrum of an amorphous material: Theory and experiment on a-Si:H. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	23
64	Band Engineering by Controlling vdW Epitaxy Growth Mode in 2D Gallium Chalcogenides. <i>Advanced Materials</i> , <b>2016</b> , 28, 7375-82	24	23
63	Thermodynamic-driven polychromatic quantum dot patterning for light-emitting diodes beyond eye-limiting resolution. <i>Nature Communications</i> , <b>2020</b> , 11, 3040	17.4	22
62	Computer calculations across time and length scales in photovoltaic solar cells. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2197-2218	35.4	22
61	Electron-hole separation in ferroelectric oxides for efficient photovoltaic responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6566-6571	11.5	21
60	Mechanism of Thermal Reversal of the (Fulvalene)tetracarbonyldiruthenium Photoisomerization: Toward Molecular Solar Thermal Energy Storage. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9110-9113	3.6	21
59	Atomic structure and defect dynamics of monolayer lead iodide nanodisks with epitaxial alignment on graphene. <i>Nature Communications</i> , <b>2020</b> , 11, 823	17.4	20
58	Capillary-fed, thin film evaporation devices. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 130901	2.5	20
57	Mpemba-Like Behavior in Carbon Nanotube Resonators. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2011</b> , 42, 3907-3912	2.3	19
56	Catalyst Self-Assembly for Scalable Patterning of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. <i>ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. ACS Applied Materials &amp; Discounty of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon Nanop</i>	9.5	18
55	All-polymeric control of nanoferronics. <i>Science Advances</i> , <b>2015</b> , 1, e1501264	14.3	18

54	Preserving nanoscale features in polymers during laser induced graphene formation using sequential infiltration synthesis. <i>Nature Communications</i> , <b>2020</b> , 11, 3636	17.4	18
53	Epitaxial Templating of Two-Dimensional Metal Chloride Nanocrystals on Monolayer Molybdenum Disulfide. <i>ACS Nano</i> , <b>2017</b> , 11, 6404-6415	16.7	17
52	Investigation of a Quantum Monte Carlo Protocol To Achieve High Accuracy and High-Throughput Materials Formation Energies. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 1943-1951	6.4	17
51	Fundamental Insights on Hydration Environment of Boric Acid and Its Role in Separation from Saline Water. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1438-1445	3.8	17
50	Solvent- and Anion-Dependent Li+D2ICoupling Strength and Implications on the Thermodynamics and Kinetics of LiD2 Batteries. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 4953-4967	3.8	16
49	Unveiling the phonon scattering mechanisms in half-Heusler thermoelectric compounds. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 5165-5176	35.4	16
48	Predicting charge density distribution of materials using a local-environment-based graph convolutional network. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	15
47	Effect of Chemical Variations in the Structure of Poly(ethylene oxide)-Based Polymers on Lithium Transport in Concentrated Electrolytes. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 121-126	9.6	15
46	A 3D-printed molecular ferroelectric metamaterial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 27204-27210	11.5	14
45	Silver Nanowire Back Electrode Stabilized with Graphene Oxide Encapsulation for Inverted Semitransparent Organic Solar Cells with Longer Lifetime. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1431-	1441	12
44	Chemically Driven Interfacial Coupling in Charge-Transfer Mediated Functional Superstructures. <i>Nano Letters</i> , <b>2016</b> , 16, 2851-9	11.5	11
43	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 860-867	16.4	11
42	Highly Conductive and Permeable Nanocomposite Ultrafiltration Membranes Using Laser-Reduced Graphene Oxide. <i>Nano Letters</i> , <b>2021</b> , 21, 2429-2435	11.5	11
41	Charting lattice thermal conductivity for inorganic crystals and discovering rare earth chalcogenides for thermoelectrics. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3559-3566	35.4	11
40	Natural Carbon By-Products for Transparent Heaters: The Case of Steam-Cracker Tar. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900331	24	10
39	Laser-Induced Graphene from Polyimide and Polyethersulfone Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. <i>ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. ACS Applied Materials &amp; Description of the Precursor o</i>	9.5	10
38	Low-frequency Raman spectrum of 2D layered perovskites: Local atomistic motion or superlattice modes?. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 044710	3.9	10
37	Conductive carbonaceous membranes: recent progress and future opportunities. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3270-3289	13	10

Ultra-high aspect ratio functional nanoporous silicon via nucleated catalysts. RSC Advances, 2017, 7, 11537;11582 36 Quantitative Mapping of Molecular Substituents to Macroscopic Properties Enables Predictive 16.8 35 Design of Oligoethylene Glycol-Based Lithium Electrolytes. ACS Central Science, 2020, 6, 1115-1128 Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. Angewandte 8 3.6 34 Chemie, 2020, 132, 870-877 Charge Density and Redox Potential of LiNiO2 Using Ab Initio Diffusion Quantum Monte Carlo. 3.8 33 Journal of Physical Chemistry C, 2020, 124, 5893-5901 Optimization of the Thermoelectric Figure of Merit in Crystalline C60 with Intercalation Chemistry. 32 11.5 7 Nano Letters, 2016, 16, 4203-9 Importance of Equilibration Method and Sampling for Molecular Dynamics Simulations of Solvent-Lithium-Salt Systems in Lithium-Oxygen Batteries. Journal of Chemical Theory and 31 6.4 Computation, **2020**, 16, 7255-7266 Freestanding Organic Charge-Transfer Conformal Electronics. Nano Letters, 2018, 18, 4346-4354 30 11.5 7 Engineering Efficient p-Type TMD/Metal Contacts Using Fluorographene as a Buffer Layer. 6.4 6 29 Advanced Electronic Materials, 2017, 3, 1600318 Bandlike Transport in PbS Quantum Dot Superlattices with Quantum Confinement. Journal of 28 6 6.4 Physical Chemistry Letters, **2019**, 10, 3756-3762 Tuning the Potential Energy Landscape to Suppress Ostwald Ripening in Surface-Supported 6 27 11.5 Catalyst Systems. Nano Letters, 2019, 19, 8388-8398 Kinetics of Sorption in Hygroscopic Hydrogels.. Nano Letters, 2022, 26 6 11.5 Novel nanomaterials for water desalination technology 2013, Functionalized Graphene Superlattice as a Single-Sheet Solar Cell. Advanced Functional Materials, 15.6 24 5 **2015**, 25, 5199-5205 Transport-Based Modeling of Bubble Nucleation on Gas Evolving Electrodes. Langmuir, 2020, 36, 15112- $\frac{1}{4}$ 5118  $_{4}$ 23 Charge Transport in Highly Heterogeneous Natural Carbonaceous Materials. Advanced Functional 22 15.6 3 Materials, **2019**, 29, 1904283 Screening and Understanding Li Adsorption on Two-Dimensional Metallic Materials by Learning 21 3 Physics and Physics-Simplified Learning. Jacs Au, 2021, 1, 1904-1914 Design Rules for Transparent Push-Pull Electron Acceptors: A Case Study on Perylenediimide 6.4 20 3 Derivatives. Journal of Physical Chemistry Letters, 2020, 11, 9265-9271 High-Pressure-Sintering-Induced Microstructural Engineering for an Ultimate Phonon Scattering of 19 11 Thermoelectric Half-Heusler Compounds. Small, 2021, 17, e2102045

18	Nanostructured Bulk-Heterojunction Solar Cells Based on Amorphous Carbon. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 882-888	20.1	2
17	Emerged Metallicity in Molecular Ferromagnetic Wires. <i>Nano Letters</i> , <b>2021</b> , 21, 9746-9753	11.5	2
16	Numerical validation of the dusty-gas model for binary diffusion in low aspect ratio capillaries. <i>Physics of Fluids</i> , <b>2021</b> , 33, 121701	4.4	2
15	Atomic Structure of Dislocations and Grain Boundaries in Two-Dimensional PtSe. <i>ACS Nano</i> , <b>2021</b> , 15, 16748-16759	16.7	2
14	Emerging Magnetic Interactions in van der Waals Heterostructures. <i>Nano Letters</i> , <b>2020</b> , 20, 7852-7859	11.5	2
13	Laser-Induced Tar-Mediated Sintering of Metals and Refractory Carbides in Air. ACS Nano, <b>2020</b> , 14, 104	1126. <del>J</del> O	420
12	Atoms to fibers: Identifying novel processing methods in the synthesis of pitch-based carbon fibers <i>Science Advances</i> , <b>2022</b> , 8, eabn1905	14.3	2
11	Nanoporous Silicon-Assisted Patterning of Monolayer MoS2 with Thermally Controlled Porosity: A Scalable Method for Diverse Applications. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3548-3556	5.6	1
10	Sound and noisy light: Optical control of phonons in photoswitchable structures. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	1
9	Resonant behavior in heat transfer across weak molecular interfaces. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 234308	2.5	1
8	Evidence of Conjugation Enhancement in P3HT/SWNT Mixtures for Organic Photovoltaics. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1286, 56		1
7	Oxynitride-Encapsulated Silver Nanowire Transparent Electrode with Enhanced Thermal, Electrical, and Chemical Stability <i>ACS Applied Materials &amp; Discrete Stability</i> ACS Applied Materials & Discrete Stability Discrete Stability ACS Applied Materials & Discrete Stability	9.5	1
6	Laser-Induced Cooperative Transition in Molecular Electronic Crystal. Advanced Materials, 2021, 33, e21	озроо	1
5	Unintended consequences: Why carbonation can dominate in microscale hydration of calcium silicates. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 2425-2433	2.5	O
4	Upgrading carbonaceous materials: Coal, tar, pitch, and beyond. <i>Matter</i> , <b>2022</b> , 5, 430-447	12.7	O
3	Adsorption-based membranes for air separation using transition metal oxides. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 4502-4512	5.1	O
2	Laser-Induced Cooperative Transition in Molecular Electronic Crystal (Adv. Mater. 39/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170309	24	
1	Cyclobutene based macrocycles. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3529-3538	7.8	