

Jeffrey C Grossman

List of Publications by Year in Descending Order

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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.

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|--------------------|-------------------------|---------------|-----------------|
| 125 papers | 5,353 citations | 37 h-index | 70 g-index |
| 129 ext. papers | 6,820 ext. citations | 12 avg, IF | 6.58 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 125 | Oxynitride-Encapsulated Silver Nanowire Transparent Electrode with Enhanced Thermal, Electrical, and Chemical Stability.. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 4423-4433 | 9.5 | 1 |
| 124 | Kinetics of Sorption in Hygroscopic Hydrogels.. <i>Nano Letters</i> , 2022 , | 11.5 | 6 |
| 123 | Upgrading carbonaceous materials: Coal, tar, pitch, and beyond. <i>Matter</i> , 2022 , 5, 430-447 | 12.7 | 0 |
| 122 | Atoms to fibers: Identifying novel processing methods in the synthesis of pitch-based carbon fibers.. <i>Science Advances</i> , 2022 , 8, eabn1905 | 14.3 | 2 |
| 121 | Emerged Metallicity in Molecular Ferromagnetic Wires. <i>Nano Letters</i> , 2021 , 21, 9746-9753 | 11.5 | 2 |
| 120 | Numerical validation of the dusty-gas model for binary diffusion in low aspect ratio capillaries. <i>Physics of Fluids</i> , 2021 , 33, 121701 | 4.4 | 2 |
| 119 | Atomic Structure of Dislocations and Grain Boundaries in Two-Dimensional PtSe. <i>ACS Nano</i> , 2021 , 15, 16748-16759 | 16.7 | 2 |
| 118 | Screening and Understanding Li Adsorption on Two-Dimensional Metallic Materials by Learning Physics and Physics-Simplified Learning. <i>Jacs Au</i> , 2021 , 1, 1904-1914 | | 3 |
| 117 | Laser-Induced Cooperative Transition in Molecular Electronic Crystal (Adv. Mater. 39/2021). <i>Advanced Materials</i> , 2021 , 33, 2170309 | 24 | |
| 116 | Highly Conductive and Permeable Nanocomposite Ultrafiltration Membranes Using Laser-Reduced Graphene Oxide. <i>Nano Letters</i> , 2021 , 21, 2429-2435 | 11.5 | 11 |
| 115 | High-Pressure-Sintering-Induced Microstructural Engineering for an Ultimate Phonon Scattering of Thermoelectric Half-Heusler Compounds. <i>Small</i> , 2021 , 17, e2102045 | 11 | 3 |
| 114 | Conductive carbonaceous membranes: recent progress and future opportunities. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3270-3289 | 13 | 10 |
| 113 | Failing Forward: Stability of Transparent Electrodes Based on Metal Nanowire Networks. <i>Advanced Materials</i> , 2021 , 33, e2004356 | 24 | 25 |
| 112 | Silver Nanowire Back Electrode Stabilized with Graphene Oxide Encapsulation for Inverted Semitransparent Organic Solar Cells with Longer Lifetime. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1431-1441 | 6.1 | 12 |
| 111 | Charting lattice thermal conductivity for inorganic crystals and discovering rare earth chalcogenides for thermoelectrics. <i>Energy and Environmental Science</i> , 2021 , 14, 3559-3566 | 35.4 | 11 |
| 110 | Laser-Induced Cooperative Transition in Molecular Electronic Crystal. <i>Advanced Materials</i> , 2021 , 33, e2103000 | 24 | 1 |
| 109 | Adsorption-based membranes for air separation using transition metal oxides. <i>Nanoscale Advances</i> , 2021 , 3, 4502-4512 | 5.1 | 0 |

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| 108 | Toward Designing Highly Conductive Polymer Electrolytes by Machine Learning Assisted Coarse-Grained Molecular Dynamics. <i>Chemistry of Materials</i> , 2020 , 32, 4144-4151 | 9.6 | 35 |
| 107 | Thermodynamic-driven polychromatic quantum dot patterning for light-emitting diodes beyond eye-limiting resolution. <i>Nature Communications</i> , 2020 , 11, 3040 | 17.4 | 22 |
| 106 | Quantitative Mapping of Molecular Substituents to Macroscopic Properties Enables Predictive Design of Oligoethylene Glycol-Based Lithium Electrolytes. <i>ACS Central Science</i> , 2020 , 6, 1115-1128 | 16.8 | 8 |
| 105 | Charge Density and Redox Potential of LiNiO ₂ Using Ab Initio Diffusion Quantum Monte Carlo. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5893-5901 | 3.8 | 7 |
| 104 | Atomic structure and defect dynamics of monolayer lead iodide nanodisks with epitaxial alignment on graphene. <i>Nature Communications</i> , 2020 , 11, 823 | 17.4 | 20 |
| 103 | Solvent- and Anion-Dependent Li ⁺ /D ⁺ Coupling Strength and Implications on the Thermodynamics and Kinetics of LiD Batteries. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4953-4967 | 3.8 | 16 |
| 102 | Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 860-867 | 16.4 | 11 |
| 101 | Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie</i> , 2020 , 132, 870-877 | 3.6 | 8 |
| 100 | Fundamental Insights on Hydration Environment of Boric Acid and Its Role in Separation from Saline Water. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 1438-1445 | 3.8 | 17 |
| 99 | Effect of Chemical Variations in the Structure of Poly(ethylene oxide)-Based Polymers on Lithium Transport in Concentrated Electrolytes. <i>Chemistry of Materials</i> , 2020 , 32, 121-126 | 9.6 | 15 |
| 98 | Laser-Induced Graphene from Polyimide and Polyethersulfone Precursors as a Sensing Electrode in Anodic Stripping Voltammetry. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48511-48517 | 9.5 | 10 |
| 97 | A 3D-printed molecular ferroelectric metamaterial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27204-27210 | 11.5 | 14 |
| 96 | Design Rules for Transparent Push-Pull Electron Acceptors: A Case Study on Perylenediimide Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9265-9271 | 6.4 | 3 |
| 95 | Capillary-fed, thin film evaporation devices. <i>Journal of Applied Physics</i> , 2020 , 128, 130901 | 2.5 | 20 |
| 94 | Emerging Magnetic Interactions in van der Waals Heterostructures. <i>Nano Letters</i> , 2020 , 20, 7852-7859 | 11.5 | 2 |
| 93 | Unveiling the phonon scattering mechanisms in half-Heusler thermoelectric compounds. <i>Energy and Environmental Science</i> , 2020 , 13, 5165-5176 | 35.4 | 16 |
| 92 | Transport-Based Modeling of Bubble Nucleation on Gas Evolving Electrodes. <i>Langmuir</i> , 2020 , 36, 15112-15118 | 4 | 4 |
| 91 | Cyclobutene based macrocycles. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3529-3538 | 7.8 | |

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| 90 | Importance of Equilibration Method and Sampling for Molecular Dynamics Simulations of Solvent-Lithium-Salt Systems in Lithium-Oxygen Batteries. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 7255-7266 | 6.4 | 7 |
| 89 | Laser-Induced Tar-Mediated Sintering of Metals and Refractory Carbides in Air. <i>ACS Nano</i> , 2020 , 14, 10413-10420 | 13.1 | 10 |
| 88 | Preserving nanoscale features in polymers during laser induced graphene formation using sequential infiltration synthesis. <i>Nature Communications</i> , 2020 , 11, 3636 | 17.4 | 18 |
| 87 | Low-frequency Raman spectrum of 2D layered perovskites: Local atomistic motion or superlattice modes?. <i>Journal of Chemical Physics</i> , 2020 , 153, 044710 | 3.9 | 10 |
| 86 | Double-Sided Graphene Oxide Encapsulated Silver Nanowire Transparent Electrode with Improved Chemical and Electrical Stability. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17909-17920 | 9.5 | 24 |
| 85 | Sleep quality, duration, and consistency are associated with better academic performance in college students. <i>Npj Science of Learning</i> , 2019 , 4, 16 | 6 | 55 |
| 84 | Graph dynamical networks for unsupervised learning of atomic scale dynamics in materials. <i>Nature Communications</i> , 2019 , 10, 2667 | 17.4 | 43 |
| 83 | Bandlike Transport in PbS Quantum Dot Superlattices with Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3756-3762 | 6.4 | 6 |
| 82 | Revealing the Cluster-Cloud and Its Role in Nanocrystallization. <i>Advanced Materials</i> , 2019 , 31, e1808225 | 24 | 26 |
| 81 | Correlations from Ion Pairing and the Nernst-Einstein Equation. <i>Physical Review Letters</i> , 2019 , 122, 136001 | 9.1 | 56 |
| 80 | Laser-sculptured ultrathin transition metal carbide layers for energy storage and energy harvesting applications. <i>Nature Communications</i> , 2019 , 10, 3112 | 17.4 | 48 |
| 79 | Charge Transport in Highly Heterogeneous Natural Carbonaceous Materials. <i>Advanced Functional Materials</i> , 2019 , 29, 1904283 | 15.6 | 3 |
| 78 | Role of solvent-anion charge transfer in oxidative degradation of battery electrolytes. <i>Nature Communications</i> , 2019 , 10, 3360 | 17.4 | 26 |
| 77 | Natural Carbon By-Products for Transparent Heaters: The Case of Steam-Cracker Tar. <i>Advanced Materials</i> , 2019 , 31, e1900331 | 24 | 10 |
| 76 | Striated 2D Lattice with Sub-nm 1D Etch Channels by Controlled Thermally Induced Phase Transformations of PdSe. <i>Advanced Materials</i> , 2019 , 31, e1904251 | 24 | 24 |
| 75 | Tuning the Potential Energy Landscape to Suppress Ostwald Ripening in Surface-Supported Catalyst Systems. <i>Nano Letters</i> , 2019 , 19, 8388-8398 | 11.5 | 6 |
| 74 | Ionic Highways from Covalent Assembly in Highly Conducting and Stable Anion Exchange Membrane Fuel Cells. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18152-18159 | 16.4 | 48 |
| 73 | Inorganic Cage Motion Dominates Excited-State Dynamics in 2D-Layered Perovskites (C _x H _{2x+1} NH ₃) ₂ PbI ₄ (x = 4B). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27904-27916 | 3.8 | 24 |

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| 72 | Predicting charge density distribution of materials using a local-environment-based graph convolutional network. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 15 |
| 71 | Role of Structural Defects in the Water Adsorption Properties of MOF-801. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5545-5552 | 3.8 | 37 |
| 70 | Origins of the Stokes Shift in PbS Quantum Dots: Impact of Polydispersity, Ligands, and Defects. <i>ACS Nano</i> , 2018 , 12, 2838-2845 | 16.7 | 32 |
| 69 | 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> , 2018 , 115, 2640-2645 | 11.5 | 31 |
| 68 | Crystal Graph Convolutional Neural Networks for an Accurate and Interpretable Prediction of Material Properties. <i>Physical Review Letters</i> , 2018 , 120, 145301 | 7.4 | 494 |
| 67 | Ultralong 1D Vacancy Channels for Rapid Atomic Migration during 2D Void Formation in Monolayer MoS. <i>ACS Nano</i> , 2018 , 12, 7721-7730 | 16.7 | 38 |
| 66 | Machine Learning Enabled Computational Screening of Inorganic Solid Electrolytes for Suppression of Dendrite Formation in Lithium Metal Anodes. <i>ACS Central Science</i> , 2018 , 4, 996-1006 | 16.8 | 92 |
| 65 | Optically-regulated thermal energy storage in diverse organic phase-change materials. <i>Chemical Communications</i> , 2018 , 54, 10722-10725 | 5.8 | 37 |
| 64 | Nanoporous Silicon-Assisted Patterning of Monolayer MoS ₂ with Thermally Controlled Porosity: A Scalable Method for Diverse Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3548-3556 | 5.6 | 1 |
| 63 | 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> , 2018 , 115, 6566-6571 | 11.5 | 21 |
| 62 | Hierarchical visualization of materials space with graph convolutional neural networks. <i>Journal of Chemical Physics</i> , 2018 , 149, 174111 | 3.9 | 30 |
| 61 | Polarity governs atomic interaction through two-dimensional materials. <i>Nature Materials</i> , 2018 , 17, 999-1004 | 10.4 | 107 |
| 60 | Atomic Structure and Dynamics of Self-Limiting Sub-Nanometer Pores in Monolayer WS. <i>ACS Nano</i> , 2018 , 12, 11638-11647 | 16.7 | 24 |
| 59 | Freestanding Organic Charge-Transfer Conformal Electronics. <i>Nano Letters</i> , 2018 , 18, 4346-4354 | 11.5 | 7 |
| 58 | Optical and Electronic Properties of Two-Dimensional Layered Materials. <i>Nanophotonics</i> , 2017 , 6, 479-493 | 4.3 | 86 |
| 57 | Enhanced Cell Capture on Functionalized Graphene Oxide Nanosheets through Oxygen Clustering. <i>ACS Nano</i> , 2017 , 11, 1548-1558 | 16.7 | 42 |
| 56 | Atomic Structure and Dynamics of Single Platinum Atom Interactions with Monolayer MoS. <i>ACS Nano</i> , 2017 , 11, 3392-3403 | 16.7 | 94 |
| 55 | Molecularly Engineered Azobenzene Derivatives for High Energy Density Solid-State Solar Thermal Fuels. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8679-8687 | 9.5 | 68 |

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|----|--|------|-----|
| 54 | Ultra-high aspect ratio functional nanoporous silicon via nucleated catalysts. <i>RSC Advances</i> , 2017 , 7, 11537-11582 | | |
| 53 | Engineering Efficient p-Type TMD/Metal Contacts Using Fluorographene as a Buffer Layer. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600318 | 6.4 | 6 |
| 52 | Epitaxial Templating of Two-Dimensional Metal Chloride Nanocrystals on Monolayer Molybdenum Disulfide. <i>ACS Nano</i> , 2017 , 11, 6404-6415 | 16.7 | 17 |
| 51 | 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> , 2017 , 13, 1943-1951 | 6.4 | 17 |
| 50 | Nanostructured Bulk-Heterojunction Solar Cells Based on Amorphous Carbon. <i>ACS Energy Letters</i> , 2017 , 2, 882-888 | 20.1 | 2 |
| 49 | Photoluminescent Arrays of Nanopatterned Monolayer MoS ₂ . <i>Advanced Functional Materials</i> , 2017 , 27, 1703688 | 15.6 | 28 |
| 48 | Ultralow thermal conductivity in all-inorganic halide perovskites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8693-8697 | 11.5 | 156 |
| 47 | Atomically Flat Zigzag Edges in Monolayer MoS by Thermal Annealing. <i>Nano Letters</i> , 2017 , 17, 5502-5507 | 11.5 | 58 |
| 46 | Optically-controlled long-term storage and release of thermal energy in phase-change materials. <i>Nature Communications</i> , 2017 , 8, 1446 | 17.4 | 144 |
| 45 | Atomic Structure and Dynamics of Defects in 2D MoS Bilayers. <i>ACS Omega</i> , 2017 , 2, 3315-3324 | 3.9 | 26 |
| 44 | Photon energy storage materials with high energy densities based on diacetylene-azobenzene derivatives. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16157-16165 | 13 | 62 |
| 43 | Conformal Electroplating of Azobenzene-Based Solar Thermal Fuels onto Large-Area and Fiber Geometries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26319-26325 | 9.5 | 27 |
| 42 | Solid-State Solar Thermal Fuels for Heat Release Applications. <i>Advanced Energy Materials</i> , 2016 , 6, 1502006 | 11.5 | 74 |
| 41 | Optimization of the Thermoelectric Figure of Merit in Crystalline C60 with Intercalation Chemistry. <i>Nano Letters</i> , 2016 , 16, 4203-9 | 11.5 | 7 |
| 40 | Multilayer Nanoporous Graphene Membranes for Water Desalination. <i>Nano Letters</i> , 2016 , 16, 1027-33 | 11.5 | 242 |
| 39 | Torsional Deformations in Subnanometer MoS Interconnecting Wires. <i>Nano Letters</i> , 2016 , 16, 1210-7 | 11.5 | 27 |
| 38 | Self-Driven Photodetector and Ambipolar Transistor in Atomically Thin GaTe-MoS ₂ p-n vdW Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2533-9 | 9.5 | 126 |
| 37 | Catalyst Self-Assembly for Scalable Patterning of Sub 10 nm Ultrahigh Aspect Ratio Nanopores in Silicon. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8043-9 | 9.5 | 18 |

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| 36 | Chemically Driven Interfacial Coupling in Charge-Transfer Mediated Functional Superstructures. <i>Nano Letters</i> , 2016 , 16, 2851-9 | 11.5 | 11 |
| 35 | Photovoltaic Performance of PbS Quantum Dots Treated with Metal Salts. <i>ACS Nano</i> , 2016 , 10, 3382-8 | 16.7 | 70 |
| 34 | Band Engineering by Controlling vdW Epitaxy Growth Mode in 2D Gallium Chalcogenides. <i>Advanced Materials</i> , 2016 , 28, 7375-82 | 24 | 23 |
| 33 | MoS2 Enhanced T-Phase Stabilization and Tunability Through Alloying. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2304-9 | 6.4 | 48 |
| 32 | Rethinking Coal: Thin Films of Solution Processed Natural Carbon Nanoparticles for Electronic Devices. <i>Nano Letters</i> , 2016 , 16, 2951-7 | 11.5 | 33 |
| 31 | Computer calculations across time and length scales in photovoltaic solar cells. <i>Energy and Environmental Science</i> , 2016 , 9, 2197-2218 | 35.4 | 22 |
| 30 | Room Temperature Multiferroicity of Charge Transfer Crystals. <i>ACS Nano</i> , 2015 , 9, 9373-9 | 16.7 | 35 |
| 29 | Insight on Tricalcium Silicate Hydration and Dissolution Mechanism from Molecular Simulations. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14726-33 | 9.5 | 56 |
| 28 | Exciton radiative lifetimes in two-dimensional transition metal dichalcogenides. <i>Nano Letters</i> , 2015 , 15, 2794-800 | 11.5 | 409 |
| 27 | High-efficiency thermoelectrics with functionalized graphene. <i>Nano Letters</i> , 2015 , 15, 2830-5 | 11.5 | 56 |
| 26 | Atomistic understandings of reduced graphene oxide as an ultrathin-film nanoporous membrane for separations. <i>Nature Communications</i> , 2015 , 6, 8335 | 17.4 | 167 |
| 25 | Unintended consequences: Why carbonation can dominate in microscale hydration of calcium silicates. <i>Journal of Materials Research</i> , 2015 , 30, 2425-2433 | 2.5 | 0 |
| 24 | Stress effects on the Raman spectrum of an amorphous material: Theory and experiment on a-Si:H. <i>Physical Review B</i> , 2015 , 92, | 3.3 | 23 |
| 23 | Sound and noisy light: Optical control of phonons in photoswitchable structures. <i>Physical Review B</i> , 2015 , 92, | 3.3 | 1 |
| 22 | Identifying and Eliminating Emissive Sub-bandgap States in Thin Films of PbS Nanocrystals. <i>Advanced Materials</i> , 2015 , 27, 4481-4486 | 24 | 68 |
| 21 | Functionalized Graphene Superlattice as a Single-Sheet Solar Cell. <i>Advanced Functional Materials</i> , 2015 , 25, 5199-5205 | 15.6 | 5 |
| 20 | Heat Conduction in Nanostructured Materials Predicted by Phonon Bulk Mean Free Path Distribution. <i>Journal of Heat Transfer</i> , 2015 , 137, | 1.8 | 29 |
| 19 | All-polymeric control of nanoferronics. <i>Science Advances</i> , 2015 , 1, e1501264 | 14.3 | 18 |

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| 18 | Scalable enhancement of graphene oxide properties by thermally driven phase transformation. <i>Nature Chemistry</i> , 2014 , 6, 151-8 | 17.6 | 261 |
| 17 | Quantifying the potential of ultra-permeable membranes for water desalination. <i>Energy and Environmental Science</i> , 2014 , 7, 1134-1141 | 35.4 | 227 |
| 16 | Water permeability of nanoporous graphene at realistic pressures for reverse osmosis desalination. <i>Journal of Chemical Physics</i> , 2014 , 141, 074704 | 3.9 | 138 |
| 15 | The Characterization, Stability, and Reactivity of Synthetic Calcium Silicate Surfaces from First Principles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15214-15219 | 3.8 | 45 |
| 14 | Templated assembly of photoswitches significantly increases the energy-storage capacity of solar thermal fuels. <i>Nature Chemistry</i> , 2014 , 6, 441-7 | 17.6 | 201 |
| 13 | Origins of hole traps in hydrogenated nanocrystalline and amorphous silicon revealed through machine learning. <i>Physical Review B</i> , 2014 , 89, | 3.3 | 26 |
| 12 | Novel nanomaterials for water desalination technology 2013 , | | 5 |
| 11 | High Surface Reactivity and Water Adsorption on NiFe ₂ O ₄ (111) Surfaces. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5678-5683 | 3.8 | 40 |
| 10 | Photoswitchable Molecular Rings for Solar-Thermal Energy Storage. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 854-60 | 6.4 | 54 |
| 9 | Resonant behavior in heat transfer across weak molecular interfaces. <i>Journal of Applied Physics</i> , 2013 , 114, 234308 | 2.5 | 1 |
| 8 | Solar energy generation in three dimensions. <i>Energy and Environmental Science</i> , 2012 , 5, 6880 | 35.4 | 52 |
| 7 | Mesoscale modeling of phononic thermal conductivity of porous Si: interplay between porosity, morphology and surface roughness. <i>Journal of Computational Electronics</i> , 2012 , 11, 8-13 | 1.8 | 29 |
| 6 | Interplay between intrinsic defects, doping, and free carrier concentration in SrTiO ₃ thin films. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 42 |
| 5 | Mpemba-Like Behavior in Carbon Nanotube Resonators. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 3907-3912 | 2.3 | 19 |
| 4 | Evidence of Conjugation Enhancement in P3HT/SWNT Mixtures for Organic Photovoltaics. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1286, 56 | | 1 |
| 3 | Three-dimensional photovoltaics. <i>Applied Physics Letters</i> , 2010 , 96, 071902 | 3.4 | 24 |
| 2 | Charge separation in nanoscale photovoltaic materials: recent insights from first-principles electronic structure theory. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1053-1061 | | 34 |
| 1 | Mechanism of Thermal Reversal of the (Fulvalene)tetracarbonyldiruthenium Photoisomerization: Toward Molecular Solar-Thermal Energy Storage. <i>Angewandte Chemie</i> , 2010 , 122, 9110-9113 | 3.6 | 21 |

