Joshua Cohn

List of Publications by Year
in descending order

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53 papers	2,737 citations	331670 21 h-index	197818 49 g-index
54 all docs	54 docs citations	54 times ranked	2947 citing authors

#	Article	IF	Citations
1	Halide Effects in BiVO₄/BiOX Heterostructures Decorated with Pd Nanoparticles for Photocatalytic Degradation of Rhodamine B as a Model Organic Pollutant. ACS Applied Nano Materials, 2021, 4, 3262-3272.	5.0	28
2	Cu₂O Cubes Decorated with Azine-Based Covalent Organic Framework Spheres and Pd Nanoparticles as Tandem Photocatalyst for Light-Driven Degradation of Chlorinated Biphenyls. ACS Applied Nano Materials, 2021, 4, 2795-2805.	5.0	13
3	Design of Pd-Decorated SrTiO₃/BiOBr Heterojunction Materials for Enhanced Visible-Light-Based Photocatalytic Reactivity. Langmuir, 2021, 37, 11986-11995.	3.5	4
4	Magnetic field dependence of low-energy magnons, anisotropic heat conduction, and spontaneous relaxation of magnetic domains in the cubic helimagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zn</mml:mi><mml:msub><mml:mi>Cr</mml:mi><mml:m Physical Review B, 2020, 102, .	3.2	5
5	Spin Seebeck effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml : Test of bulk magnon spin current theory. Physical Review B, 2020, 101, .	3.2	7
6	Size-Controlled SrTiO₃ Nanoparticles Photodecorated with Pd Cocatalysts for Photocatalytic Organic Dye Degradation. ACS Applied Nano Materials, 2020, 3, 4904-4912.	5.0	23
7	Electrohydromodulation for phosphate recovery from wastewater. Separation and Purification Technology, 2020, 247, 116909.	7.9	22
8	Biomimetic strategies to produce catalytically reactive CuS nanodisks. Nanoscale Advances, 2019, 1, 2857-2865.	4.6	6
9	Amino Acids for the Sustainable Production of Cu₂O Materials: Effects on Morphology and Photocatalytic Reactivity. ACS Sustainable Chemistry and Engineering, 2019, 7, 17055-17064.	6.7	10
10	Spin phases of the helimagnetic insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn><mml:mn></mml: probed by magnon heat conduction. Physical Review B, 2019, 99, .	3.2	4
11	Anisotropic heat conduction in the metal organic framework perovskites [C(NH2)3]X(HCOO)3 (X = Cu,) Tj ETQq1 1 0.784314 rgBT /O	3.3	0
12	Resonant scattering of phonons in the quasi-one-dimensional spin-chain compounds AB2O6 (A = Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	3
13	Ballistic magnon heat conduction and possible Poiseuille flow in the helimagnetic insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:mn></mml Physical Review B, 2017, 95, .	3.2	25
14	Converting Light Energy to Chemical Energy: A New Catalytic Approach for Sustainable Environmental Remediation. ACS Omega, 2016, 1, 41-51.	3.5	12
15	Anisotropic transport in the quasi-one-dimensional semiconductor Li0.33MoO3. Journal of Applied Physics, 2016, 119, .	2.5	3
16	Phononâ€“spin scattering and magnetic heat transport in the quasi-one-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>spin</mml:mtext><mml:mo>â^'</mml:mo><mml:mfrac><mml:mn> chain compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CuSb</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 91, .	3.2	7
17	Extreme Thermopower Anisotropy and Interchain Transport in the Quasi-One-Dimensional MetalLi0.9Mo6O17. Physical Review Letters, 2014, 112, 186602.	7.8	14
18	Effects of Moisture Absorption on the Dielectric Properties of Nanoclay-Reinforced Epoxy for Radome Applications. , 2014, , .		0

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19	PERSISTENT PATTERNS IN MICROTUBULE DIPOLE LATTICES. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350033.	1.4	1
20	Stoichiometry, structure, and transport in the quasi-one-dimensional metal Li<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.9</mml:mn></mml:mrow></mml:msub></mml:math>Mo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>.	3.2	8
21	Giant Nernst Effect and Polarity in the Quasi-One-Dimensional Metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>Li</mml:mi><mml:mn>0.9</mml:mn></mml:mrow><mml:mrow><mml:mi>Mo</mml:mi><mml:mn>6</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>17</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 109, 056604.	7.8	25
22	Strain-controlled band engineering and self-doping in ultrathin LaNiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>films. Physical Review B, 2012, 85, .	3.2	33
23	Asymmetric Orbital-Lattice Interactions in Ultrathin Correlated Oxide Films. Physical Review Letters, 2011, 107, 116805.	7.8	158
24	Physical properties of quasi-one-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrNbO</mml:mtext></mml:mrow><mml:mrow><mml:mn>3.41</mml:mn></mml:mrow> Luttinger liquid analysis of electrical transport. Physical Review B, 2010, 82, .	3.2	10
25	Anisotropic in-plane strain and transport in epitaxial Nd0.2Sr0.8MnO3 thin films. Journal of Applied Physics, 2009, 106, 123904.	2.5	2
26	Magnetic, transport, and thermodynamic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaMn</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> crystals. Physical Review B, 2009, 79, .	3.2	23
27	Giant Electrothermal Conductivity and Spin-Phonon Coupling in an Antiferromagnetic Oxide. Physical Review Letters, 2008, 101, 257202.	7.8	9
28	Impurity conduction and magnetic polarons in antiferromagnetic oxides. Physical Review B, 2007, 76, .	3.2	57
29	Magnetic inhomogeneity and magnetotransport in electron-dopedCa1âˆ’xLaxMnO3(0â©½xâ©½0.10). Physical Review B, 2006, 73, .	3.2	18
30	Role of oxygen vacancies in the magnetic and dielectric properties of the high-dielectric-constant systemCaCu3Ti4O12: An electron-spin resonance study. Physical Review B, 2006, 73, .	3.2	63
31	Doping dependence of polaron hopping energies inLa1âˆ’xCaxMnO3(0â‰¤xâ‰¤0.15). Physical Review B, 2006, 74, .	3.2	24
32	Polaron transport in the paramagnetic phase of electron-doped manganites. Physical Review B, 2005, 72, .	3.2	30
33	Giant dielectric permittivity of electron-doped manganite thin films, Ca1âˆ’xLaxMnO3 (0â©½xâ©½0.03). Journal of Applied Physics, 2005, 97, 034102.	2.5	36
34	Diosmium(III) Compounds Supported by 2-Anilinopyridinate and Novel Alkynyl Derivatives. Inorganic Chemistry, 2005, 44, 5719-5727.	4.0	13
35	Low-temperature transport properties of polycrystalline Ba8Ga16Sn30. Journal of Materials Research, 2004, 19, 3556-3559.	2.6	15
36	Low-temperature permittivity of insulating perovskite manganites. Physical Review B, 2004, 70, .	3.2	76

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37	Ferroelectric and ferrimagnetic iron-doped thin-film BaTiO3: Influence of iron on physical properties. Journal of Applied Physics, 2002, 92, 5429-5436.	2.5	62
38	Temperature dependent structural and transport properties of the type II clathrates A8Na16E136 (A=Cs) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	80
39	Heat conduction and magnetic phase behavior in electron-dopedCa1â^'xLaxMnO3(0<~x<~0.2). Physical Review B, 2002, 66, .	3.2	35
40	Ferroelectricity and ferrimagnetism in iron-doped BaTiO3. Applied Physics Letters, 2001, 78, 2536-2538.	3.3	90
41	Electrical and Thermal Transport in Perovskite Manganites. Journal of Superconductivity and Novel Magnetism, 2000, 13, 291-304.	0.5	20
42	Thermal Conductiviy of type I and II Clathrate Compounds. Materials Research Society Symposia Proceedings, 2000, 626, 1311.	0.1	1
43	Structural Studies of Pulsed-laser-deposited Ba₄Fe₄Ti₃O₁₆ Oxide Films. Journal of Materials Research, 2000, 15, 1389-1396.	2.6	5
44	Thermal Transport as a Probe of Localized Charge and Lattice Distortions in Manganites and Cuprates. Journal of Superconductivity and Novel Magnetism, 1999, 12, 281-284.	0.5	5
45	Glasslike Heat Conduction in High-Mobility Crystalline Semiconductors. Physical Review Letters, 1999, 82, 779-782.	7.8	623
46	Structural, Chemical, and Transport Properties of a New Clathrate Compound:Â Cs8Zn4Sn42. Chemistry of Materials, 1999, 11, 2470-2473.	6.7	90
47	New Magnetic and Ferroelectric Cubic Phase of Thin-Film Fe-Doped BaTiO3. Materials Research Society Symposia Proceedings, 1999, 602, 29.	0.1	0
48	1/8 doping anomalies and oxygen vacancies in underdoped superconducting cuprates. , 1999, , .		0
49	Semiconducting Ge clathrates: Promising candidates for thermoelectric applications. Applied Physics Letters, 1998, 73, 178-180.	3.3	898
50	The Possibility of Flux Flow Spectroscopy. Physical Review Letters, 1996, 77, 3252-3255.	7.8	7
51	Influence of the Josephson junction on the impedance and noise of a resistive superconductive quantum interference device. Journal of Applied Physics, 1993, 74, 5241-5249.	2.5	4
52	Electrical resistance and the timeâ€dependent oxidation of semicontinuous bismuth films. Journal of Applied Physics, 1989, 66, 2045-2048.	2.5	18
53	The anomalous thermal conductivity of La2-xSrxCuO4-yat very low temperatures. Journal of Physics C: Solid State Physics, 1988, 21, L957-L963.	1.5	12