

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	Semiconducting Ge clathrates: Promising candidates for thermoelectric applications. Applied Physics Letters, 1998, 73, 178-180.	3.3	898
2	Glasslike Heat Conduction in High-Mobility Crystalline Semiconductors. Physical Review Letters, 1999, 82, 779-782.	7.8	623
3	Asymmetric Orbital-Lattice Interactions in Ultrathin Correlated Oxide Films. Physical Review Letters, 2011, 107, 116805.	7.8	158
4	Structural, Chemical, and Transport Properties of a New Clathrate Compound: Cs ₈ Zn ₄ Sn ₄₂ . Chemistry of Materials, 1999, 11, 2470-2473.	6.7	90
5	Ferroelectricity and ferrimagnetism in iron-doped BaTiO ₃ . Applied Physics Letters, 2001, 78, 2536-2538.	3.3	90
6	Temperature dependent structural and transport properties of the type II clathrates A ₈ Na ₁₆ E ₁₃₆ (A=Cs). Physical Review Letters, 2000, 85, 100701.	2.5	80
7	Low-temperature permittivity of insulating perovskite manganites. Physical Review B, 2004, 70, .	3.2	76
8	Role of oxygen vacancies in the magnetic and dielectric properties of the high-dielectric-constant system CaCu ₃ Ti ₄ O ₁₂ : An electron-spin resonance study. Physical Review B, 2006, 73, .	3.2	63
9	Ferroelectric and ferrimagnetic iron-doped thin-film BaTiO ₃ : Influence of iron on physical properties. Journal of Applied Physics, 2002, 92, 5429-5436.	2.5	62
10	Impurity conduction and magnetic polarons in antiferromagnetic oxides. Physical Review B, 2007, 76, .	3.2	57
11	Giant dielectric permittivity of electron-doped manganite thin films, Ca _{1-x} LaxMnO ₃ (0x0.03). Journal of Applied Physics, 2005, 97, 034102.	2.5	36
12	Heat conduction and magnetic phase behavior in electron-doped Ca _{1-x} LaxMnO ₃ (0x0.2). Physical Review B, 2002, 66, .	3.2	35
13	Strain-controlled band engineering and self-doping in ultrathin LaNiO ₃ films. Physical Review B, 2012, 85, .	3.2	33
14	Polaron transport in the paramagnetic phase of electron-doped manganites. Physical Review B, 2005, 72, .	3.2	30
15	Halide Effects in BiVO ₄ /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
16	Giant Nernst Effect and Bipolarity in the Quasi-One-Dimensional Metal-Li _{0.9} Fe _{1.1} O ₁₇ . Physical Review Letters, 2012, 108, 056604.	3.2	25
17	Ballistic magnon heat conduction and possible Poiseuille flow in the helimagnetic insulator Cu ₂ Si ₂ O ₇ . Physical Review B, 2017, 95, .	3.2	25
18	Doping dependence of polaron hopping energies in La _{1-x} CaxMnO ₃ (0x0.15). Physical Review B, 2006, 74, .	3.2	24

#	ARTICLE	IF	CITATIONS
19	Magnetic, transport, and thermodynamic properties of CaMn_2O_7 crystals. <i>Physical Review B</i> , 2009, 79, .	3.2	23
20	Size-Controlled SrTiO_3 Nanoparticles Photodecorated with Pd Cocatalysts for Photocatalytic Organic Dye Degradation. <i>ACS Applied Nano Materials</i> , 2020, 3, 4904-4912.	5.0	23
21	Electrohydromodulation for phosphate recovery from wastewater. <i>Separation and Purification Technology</i> , 2020, 247, 116909.	7.9	22
22	Electrical and Thermal Transport in Perovskite Manganites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2000, 13, 291-304.	0.5	20
23	Electrical resistance and the time-dependent oxidation of semicontinuous bismuth films. <i>Journal of Applied Physics</i> , 1989, 66, 2045-2048.	2.5	18
24	Magnetic inhomogeneity and magnetotransport in electron-doped $\text{Ca}_{1-x}\text{La}_x\text{MnO}_3$ ($0 \leq x \leq 0.10$). <i>Physical Review B</i> , 2006, 73, .	3.2	18
25	Low-temperature transport properties of polycrystalline $\text{Ba}_8\text{Ga}_6\text{Sn}_3\text{O}_{30}$. <i>Journal of Materials Research</i> , 2004, 19, 3556-3559.	2.6	15
26	Extreme Thermopower Anisotropy and Interchain Transport in the Quasi-One-Dimensional $\text{Li}_0.9\text{Mo}_6\text{O}_{17}$. <i>Physical Review Letters</i> , 2014, 112, 186602.	7.8	14
27	Diosmium(III) Compounds Supported by 2-Anilinopyridinate and Novel Alkynyl Derivatives. <i>Inorganic Chemistry</i> , 2005, 44, 5719-5727.	4.0	13
28	Cu_2O Cubes Decorated with Azine-Based Covalent Organic Framework Spheres and Pd Nanoparticles as Tandem Photocatalyst for Light-Driven Degradation of Chlorinated Biphenyls. <i>ACS Applied Nano Materials</i> , 2021, 4, 2795-2805.	5.0	13
29	The anomalous thermal conductivity of $\text{La}_2\text{Sr}_x\text{CuO}_4$ at very low temperatures. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, L957-L963.	1.5	12
30	Converting Light Energy to Chemical Energy: A New Catalytic Approach for Sustainable Environmental Remediation. <i>ACS Omega</i> , 2016, 1, 41-51.	3.5	12
31	Physical properties of quasi-one-dimensional SrNbO_3 . Luttinger liquid analysis of electrical transport. <i>Physical Review B</i> , 2010, 82, .	3.2	10
32	Amino Acids for the Sustainable Production of Cu_2O Materials: Effects on Morphology and Photocatalytic Reactivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17055-17064.	6.7	10
33	Giant Electrothermal Conductivity and Spin-Phonon Coupling in an Antiferromagnetic Oxide. <i>Physical Review Letters</i> , 2008, 101, 257202.	7.8	9
34	Stoichiometry, structure, and transport in the quasi-one-dimensional metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$. <i>Physical Review Letters</i> , 2008, 101, 257202.	3.2	8
35	The Possibility of Flux Flow Spectroscopy. <i>Physical Review Letters</i> , 1996, 77, 3252-3255.	7.8	7
36	Phonon spin scattering and magnetic heat transport in the quasi-one-dimensional chain compound CuSbO_6 . <i>Physical Review B</i> , 2015, 91, .	3.2	7

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37	Spin Seebeck effect in CuMn_2S_4 : Test of bulk magnon spin current theory. <i>Physical Review B</i> , 2020, 101, .		
38	Biomimetic strategies to produce catalytically reactive CuS nanodisks. <i>Nanoscale Advances</i> , 2019, 1, 2857-2865.	4.6	6
39	Thermal Transport as a Probe of Localized Charge and Lattice Distortions in Manganites and Cuprates. <i>Journal of Superconductivity and Novel Magnetism</i> , 1999, 12, 281-284.	0.5	5
40	Structural Studies of Pulsed-laser-deposited $\text{Ba}_4\text{Fe}_4\text{Ti}_3\text{O}_{16}$ Oxide Films. <i>Journal of Materials Research</i> , 2000, 15, 1389-1396.	2.6	5
41	Magnetic field dependence of low-energy magnons, anisotropic heat conduction, and spontaneous relaxation of magnetic domains in the cubic helimagnet ZnCr_2As_2 . <i>Physical Review B</i> , 2020, 102, .	3.2	5
42	Influence of the Josephson junction on the impedance and noise of a resistive superconductive quantum interference device. <i>Journal of Applied Physics</i> , 1993, 74, 5241-5249.	2.5	4
43	Spin phases of the helimagnetic insulator CuMn_2S_4 probed by magnon heat conduction. <i>Physical Review B</i> , 2019, 99, .		
44	Design of Pd-Decorated $\text{SrTiO}_3/\text{BiOBr}$ Heterojunction Materials for Enhanced Visible-Light-Based Photocatalytic Reactivity. <i>Langmuir</i> , 2021, 37, 11986-11995.	3.5	4
45	Anisotropic transport in the quasi-one-dimensional semiconductor $\text{Li}_{0.33}\text{MoO}_3$. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	3
46	Resonant scattering of phonons in the quasi-one-dimensional spin-chain compounds AB_2O_6 (A = Ni, Tj). <i>ETQq000rgBT / Overlock 10 TF</i>	3.2	3
47	Anisotropic in-plane strain and transport in epitaxial $\text{Nd}_{0.2}\text{Sr}_{0.8}\text{MnO}_3$ thin films. <i>Journal of Applied Physics</i> , 2009, 106, 123904.	2.5	2
48	Thermal Conductivity of type I and II Clathrate Compounds. <i>Materials Research Society Symposia Proceedings</i> , 2000, 626, 1311.	0.1	1
49	PERSISTENT PATTERNS IN MICROTUBULE DIPOLE LATTICES. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013, 16, 1350033.	1.4	1
50	New Magnetic and Ferroelectric Cubic Phase of Thin-Film Fe-Doped BaTiO_3 . <i>Materials Research Society Symposia Proceedings</i> , 1999, 602, 29.	0.1	0
51	1/8 doping anomalies and oxygen vacancies in underdoped superconducting cuprates. , 1999, , .		0
52	Effects of Moisture Absorption on the Dielectric Properties of Nanoclay-Reinforced Epoxy for Radome Applications. , 2014, , .		0
53	Anisotropic heat conduction in the metal organic framework perovskites $[\text{C}(\text{NH}_2)_3]\text{X}(\text{HCOO})_3$ (X = Cu,) Tj. <i>ETQq110rgBT / Overlock 10 TF</i>	1.0	0