Qi -C Sun

List of Publications by Year
in descending order

19	693	758635 12	794141 19
papers	citations	h-index	g-index

19	19	19	1533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasmon-Enhanced Energy Transfer for Improved Upconversion of Infrared Radiation in Doped-Lanthanide Nanocrystals. Nano Letters, 2014, 14, 101-106.	4.5	194
2	Optical band gap hierarchy in a magnetic oxide: Electronic structure of NiFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</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>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	1.1	88
3	Observation of a Bursteinâ€“Moss Shift in Rhenium-Doped MoS₂ Nanoparticles. ACS Nano, 2013, 7, 3506-3511.	7.3	81
4	Copper plasmonics and catalysis: role of electronâ€“phonon interactions in dephasing localized surface plasmons. Nanoscale, 2014, 6, 12450-12457.	2.8	46
5	Photon upconversion towards applications in energy conversion and bioimaging. Progress in Surface Science, 2017, 92, 281-316.	3.8	41
6	Spectroscopic Determination of Phonon Lifetimes in Rhenium-Doped MoS₂ Nanoparticles. Nano Letters, 2013, 13, 2803-2808.	4.5	40
7	Lattice dynamical probe of charge order and antipolar bilayer stacking in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LuFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow> Physical Review B, 2010, 82, .	1.1	37
8	Spectroscopic Signature of the Superparamagnetic Transition and Surface Spin Disorder in CoFe₂O₄ Nanoparticles. ACS Nano, 2012, 6, 4876-4883.	7.3	33
9	Dynamical charge and structural strain in inorganic fullerenelike<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MoS</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow> Physical Review B, 2009, 79, .	1.1	23
10	Quantum Critical Transition Amplifies Magnetoelastic Coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Mn</mml:mi><mml:mo stretchy="false">[</mml:mo><mml:mi mathvariant="bold">N</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>CN</mml:mi><mml:msub><mml:mo> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 372 Td (stretchy="false">]</mml:mo><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters,	2.9	17
11	Synthesis and characterization of CdS nanocrystals in poly(styrene-co-maleic anhydride) copolymer. Colloid and Polymer Science, 2003, 281, 386-389.	1.0	15
12	Experimental Determination of Ionicity in MnO Nanoparticles. Chemistry of Materials, 2011, 23, 2956-2960.	3.2	15
13	Magnetoelastic coupling in bulk and nanoscale MnO. Physical Review B, 2011, 84, .	1.1	12
14	Effect of plasmon-enhancement on photophysics in upconverting nanoparticles. Optics Express, 2014, 22, 11516.	1.7	12
15	Pseudo-direct bandgap transitions in silicon nanocrystals: effects on optoelectronics and thermoelectrics. Nanoscale, 2014, 6, 14643-14647.	2.8	12
16	Unveiling the Role of Hydroxyl Architecture on Polysulfide Trapping for High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 4023-4032.	2.5	11
17	Photophysical Color Tuning for Photon Upconverting Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 27011-27016.	4.0	7
18	A novel route for the preparation of CdS nanocrystalâ€“poly(acrylic acid) composites using Î³-radiation. Journal of Non-Crystalline Solids, 2002, 311, 314-317.	1.5	5

#	Article	IF	Citations
19	Evaluation of Born and local effective charges in unoriented materials from vibrational spectra. Physical Review B, 2009, 80, .	1.1	4