

# Qi -C Sun

## List of Publications by Year in descending order

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19  
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citations

758635

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#	ARTICLE	IF	CITATIONS
1	Unveiling the Role of Hydroxyl Architecture on Polysulfide Trapping for High-Performance Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 4023-4032.	2.5	11
2	Photophysical Color Tuning for Photon Upconverting Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 27011-27016.	4.0	7
3	Photon upconversion towards applications in energy conversion and bioimaging. Progress in Surface Science, 2017, 92, 281-316.	3.8	41
4	Effect of plasmon-enhancement on photophysics in upconverting nanoparticles. Optics Express, 2014, 22, 11516.	1.7	12
5	Plasmon-Enhanced Energy Transfer for Improved Upconversion of Infrared Radiation in Doped-Lanthanide Nanocrystals. Nano Letters, 2014, 14, 101-106.	4.5	194
6	Pseudo-direct bandgap transitions in silicon nanocrystals: effects on optoelectronics and thermoelectrics. Nanoscale, 2014, 6, 14643-14647.	2.8	12
7	Copper plasmonics and catalysis: role of electron-phonon interactions in dephasing localized surface plasmons. Nanoscale, 2014, 6, 12450-12457.	2.8	46
8	Spectroscopic Determination of Phonon Lifetimes in Rhenium-Doped MoS <sub>2</sub> Nanoparticles. Nano Letters, 2013, 13, 2803-2808.	4.5	40
9	Observation of a Burstein-Moss Shift in Rhenium-Doped MoS <sub>2</sub> Nanoparticles. ACS Nano, 2013, 7, 3506-3511.	7.3	81
10	Quantum Critical Transition Amplifies Magnetoelastic Coupling in MnO Nanoparticles. ACS Nano, 2013, 7, 3506-3511.	7.3	81
11	Optical band gap hierarchy in a magnetic oxide: Electronic structure of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. Physical Review Letters, 2012, 108, 177401.	1.1	88
12	Spectroscopic Signature of the Superparamagnetic Transition and Surface Spin Disorder in CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles. ACS Nano, 2012, 6, 4876-4883.	7.3	33
13	Experimental Determination of Ionicity in MnO Nanoparticles. Chemistry of Materials, 2011, 23, 2956-2960.	3.2	15
14	Magnetoelastic coupling in bulk and nanoscale MnO. Physical Review B, 2011, 84, .	1.1	12
15	Lattice dynamical probe of charge order and antipolar bilayer stacking in MnO. Physical Review B, 2010, 82, .	1.1	37
16	Evaluation of Born and local effective charges in unoriented materials from vibrational spectra. Physical Review B, 2009, 80, .	1.1	4
17	Dynamical charge and structural strain in inorganic fullerene-like MoS <sub>2</sub> nanotubes. Physical Review B, 2009, 79, .	1.1	23
18	Synthesis and characterization of CdS nanocrystals in poly(styrene-co-maleic anhydride) copolymer. Colloid and Polymer Science, 2003, 281, 386-389.	1.0	15

#	ARTICLE	IF	CITATIONS
19	A novel route for the preparation of CdS nanocrystal-poly(acrylic acid) composites using $\gamma$ -radiation. Journal of Non-Crystalline Solids, 2002, 311, 314-317.	1.5	5