

Aaron E Saunders

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,790
citations

279701

23
h-index

477173

29
g-index

33
all docs

33
docs citations

33
times ranked

5130
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal Hybrid Nanostructures: A New Type of Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4878-4897.	7.2	726
2	Visible Light-Induced Charge Retention and Photocatalysis with Hybrid CdSe@Au Nanodumbbells. <i>Nano Letters</i> , 2008, 8, 637-641.	4.5	466
3	Solventless Synthesis of Monodisperse Cu ₂ S Nanorods, Nanodisks, and Nanoplatelets. <i>Journal of the American Chemical Society</i> , 2003, 125, 16050-16057.	6.6	423
4	Synthesis of Hybrid CdS@Au Colloidal Nanostructures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25421-25429.	1.2	315
5	General Shape Control of Colloidal CdS, CdSe, CdTe Quantum Rods and Quantum Rod Heterostructures. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8538-8542.	1.2	312
6	Growth of Photocatalytic CdSe@Pt Nanorods and Nanonets. <i>Advanced Materials</i> , 2008, 20, 4312-4317.	11.1	240
7	Columnar Self-Assembly of Colloidal Nanodisks. <i>Nano Letters</i> , 2006, 6, 2959-2963.	4.5	149
8	Solvent-Dependent Surface Plasmon Response and Oxidation of Copper Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1793-1799.	1.5	132
9	Synthesis and Characterization of Dilute Magnetic Semiconductor Manganese-Doped Indium Arsenide Nanocrystals. <i>Nano Letters</i> , 2003, 3, 1441-1447.	4.5	120
10	Synthesis of High Aspect Ratio Quantum-Size CdS Nanorods and Their Surface-Dependent Photoluminescence. <i>Langmuir</i> , 2008, 24, 9043-9049.	1.6	120
11	Metal Nanocrystal Superlattice Nucleation and Growth. <i>Langmuir</i> , 2004, 20, 978-983.	1.6	100
12	Growth Kinetics and Metastability of Monodisperse Tetraoctylammonium Bromide Capped Gold Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2004, 108, 193-199.	1.2	94
13	Observation of an AB Phase in Bidisperse Nanocrystal Superlattices. <i>ChemPhysChem</i> , 2005, 6, 61-65.	1.0	76
14	Inverse Opal Nanocrystal Superlattice Films. <i>Nano Letters</i> , 2004, 4, 1943-1948.	4.5	61
15	Seed-Mediated Growth of Shape-Controlled Wurtzite CdSe Nanocrystals: Platelets, Cubes, and Rods. <i>Journal of the American Chemical Society</i> , 2013, 135, 6669-6676.	6.6	60
16	Challenges in quantum dot-neuron active interfacing. <i>Talanta</i> , 2005, 67, 462-471.	2.9	59
17	Breath figure templated self-assembly of porous diblock copolymer films. <i>Physical Review E</i> , 2006, 73, 031608.	0.8	54
18	Second Virial Coefficient Measurements of Dilute Gold Nanocrystal Dispersions Using Small-Angle X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16732-16738.	1.2	48

#	ARTICLE	IF	CITATIONS
19	Nanoparticle enhanced spectral filtration of insolation from trough concentrators. <i>Solar Energy Materials and Solar Cells</i> , 2016, 149, 145-153.	3.0	43
20	Structural Characterization and Temperature-Dependent Photoluminescence of Linear CdTe/CdSe/CdTe Heterostructure Nanorods. <i>ChemPhysChem</i> , 2008, 9, 1158-1163.	1.0	40
21	Enhanced Infusion of Gold Nanocrystals into Mesoporous Silica with Supercritical Carbon Dioxide. <i>Chemistry of Materials</i> , 2005, 17, 6728-6738.	3.2	39
22	Solvent Density-Dependent Steric Stabilization of Perfluoropolyether-Coated Nanocrystals in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15969-15975.	1.2	29
23	Indium tin oxide and gold nanoparticle solar filters for concentrating photovoltaic thermal systems. <i>Applied Energy</i> , 2019, 252, 113459.	5.1	29
24	Photothermal conversion of gold nanoparticles for uniform pulsed laser warming of vitrified biomaterials. <i>Nanoscale</i> , 2020, 12, 12346-12356.	2.8	20
25	Synthesis and Characterization of Organic-Soluble Ag/AgBr Dimer Nanocrystals. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 2414-2419.	0.6	13
26	Classifying the Shape of Colloidal Nanocrystals by Complex Fourier Descriptor Analysis. <i>Crystal Growth and Design</i> , 2012, 12, 825-831.	1.4	12
27	Plasmonic nanoparticle based spectral fluid filters for concentrating PV/T collectors. <i>Proceedings of SPIE</i> , 2014, , .	0.8	7
28	Columnar Self-Assembly of Colloidal Nanodisks. <i>Nano Letters</i> , 2007, 7, 541-541.	4.5	1
29	General Shape Control of Colloidal CdS, CdSe, CdTe Quantum Rods and Quantum Rod Heterostructures.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
30	Photothermal conversion of gold nanoparticles for fast and uniform laser warming of vitrified biomaterials. <i>Cryobiology</i> , 2020, 97, 266.	0.3	0