Julian Schneider

List of Publications by Year
in descending order

31 papers	2,172 citations	393982 19 h-index	525886 27 g-index
31 all docs	31 docs citations	31 times ranked	2967 citing authors

#	Article	IF	Citations
1	Molecular Fluorescence in Citric Acid-Based Carbon Dots. Journal of Physical Chemistry C, 2017, 121, 2014-2022.	1.5	517
2	Tracking the Source of Carbon Dot Photoluminescence: Aromatic Domains versus Molecular Fluorophores. Nano Letters, 2017, 17, 7710-7716.	4.5	236
3	Luminescent colloidal carbon dots: optical properties and effects of doping [Invited]. Optics Express, 2016, 24, A312.	1.7	235
4	Influence of molecular fluorophores on the research field of chemically synthesized carbon dots. Nano Today, 2018, 23, 124-139.	6.2	181
5	Photoaligned Nanorod Enhancement Films with Polarized Emission for Liquidâ€Crystalâ€Display Applications. Advanced Materials, 2017, 29, 1701091.	11.1	142
6	Aggregated Molecular Fluorophores in the Ammonothermal Synthesis of Carbon Dots. Chemistry of Materials, 2017, 29, 10352-10361.	3.2	126
7	Topâ€Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. Angewandte Chemie - International Edition, 2017, 56, 9571-9576.	7.2	98
8	Carbonization conditions influence the emission characteristics and the stability against photobleaching of nitrogen doped carbon dots. Nanoscale, 2017, 9, 11730-11738.	2.8	83
9	Luminescent Downâ€Conversion Semiconductor Quantum Dots and Aligned Quantum Rods for Liquid Crystal Displays. Advanced Science, 2019, 6, 1901345.	5.6	83
10	Colloidal hybrid heterostructures based on IIâ€“VI semiconductor nanocrystals for photocatalytic hydrogen generation. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 19, 52-61.	5.6	67
11	Photoinduced Micropattern Alignment of Semiconductor Nanorods with Polarized Emission in a Liquid Crystal Polymer Matrix. Nano Letters, 2017, 17, 3133-3138.	4.5	65
12	Combination of Photoinduced Alignment and Self-Assembly to Realize Polarized Emission from Ordered Semiconductor Nanorods. ACS Nano, 2015, 9, 11049-11055.	7.3	64
13	Hexagonal Zn_{1â^'x}Cd_xS (0.2 â‰¤ x â‰¤ 1) solid solution photocatalysts for H₂ generation from water. Catalysis Science and Technology, 2017, 7, 982-987.	2.1	47
14	Incorporating Copper Nanoclusters into Metalâ€Organic Frameworks: Confinementâ€Assisted Emission Enhancement and Application for Trinitrotoluene Detection. Particle and Particle Systems Characterization, 2017, 34, 1700029.	1.2	32
15	Optically Addressable Photoaligned Semiconductor Nanorods in Thin Liquid Crystal Films for Display Applications. Advanced Optical Materials, 2018, 6, 1800250.	3.6	32
16	Topâ€Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. Angewandte Chemie, 2017, 129, 9699-9704.	1.6	31
17	Chemically Synthesized Carbon Nanorods with Dual Polarized Emission. ACS Nano, 2019, 13, 12024-12031.	7.3	31
18	Ligand Shell Engineering to Achieve Optimal Photoalignment of Semiconductor Quantum Rods for Liquid Crystal Displays. Advanced Functional Materials, 2019, 29, 1805094.	7.8	25

#	Article	IF	Citations
19	A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Selfâ€Healing Function. Small, 2018, 14, e1800315.	5.2	21
20	Formulation of a Composite System of Liquid Crystals and Lightâ€Emitting Semiconductor Quantum Rods: From Assemblies in Solution to Photoaligned Films. Advanced Materials Technologies, 2019, 4, 1900695.	3.0	13
21	Aqueous-Based Cadmium Telluride Quantum Dot/Polyurethane/Polyhedral Oligomeric Silsesquioxane Composites for Color Enhancement in Display Backlights. Journal of Physical Chemistry C, 2018, 122, 13391-13398.	1.5	12
22	Enhanced hydrogen evolution rates at high pH with a colloidal cadmium sulphideâ€“platinum hybrid system. APL Materials, 2014, 2, 126102.	2.2	9
23	44-4L:Late-News Paper: Photo-Aligned Quantum Rod Dispersed Liquid Crystal Polymer Films. Digest of Technical Papers SID International Symposium, 2016, 47, 602-604.	0.1	9
24	Enhancement of the Fluorescence Quantum Yield of Thiol-Stabilized CdTe Quantum Dots Through Surface Passivation with Sodium Chloride and Bicarbonate. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1399-1412.	1.4	4
25	Composite Nanospheres Comprising Luminescent Carbon Dots Incorporated into a Polyhedral Oligomeric Silsesquioxane Matrix. Journal of Physical Chemistry C, 2021, 125, 15094-15102.	1.5	4
26	Fluorescent Zn(II)-Based Metal-Organic Framework: Interaction with Organic Solvents and CO2 and Methane Capture. Molecules, 2022, 27, 3845.	1.7	4
27	41â€4: Microscale Pattern Polarized Emission from Semiconductor Nanorods by Photoâ€Induced Alignment Technology. Digest of Technical Papers SID International Symposium, 2017, 48, 589-591.	0.1	1
28	Chemical Sensing: Incorporating Copper Nanoclusters into Metalâ€Organic Frameworks: Confinementâ€Assisted Emission Enhancement and Application for Trinitrotoluene Detection (Part.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0	
29	Pâ€124: Photo Emissive Nanorods Display. Digest of Technical Papers SID International Symposium, 2018, 49, 1674-1676.	0.1	0
30	32â€2: Surface Ligands Optimization of Semiconductor CdSe/CdS Nanorods Aligned in Liquid Crystal Polymer Matrix. Digest of Technical Papers SID International Symposium, 2019, 50, 447-449.	0.1	0
31	40.4: Photoâ€Induced Continuous Alignment of Semiconductor Quantum Rods. Digest of Technical Papers SID International Symposium, 2019, 50, 452-452.	0.1	0