Julian Schneider

List of Publications by Citations

29 papers	1,558 citations	17 h-index	31 g-index
31 ext. papers	1,899 ext. citations	7.9 avg, IF	4.89 L-index

#	Paper	IF	Citations
29	Molecular Fluorescence in Citric Acid-Based Carbon Dots. *Journal of Physical Chemistry C*, **2017**, 121, 2014-2022	3.3	353
28	Luminescent colloidal carbon dots: optical properties and effects of doping [Invited]. *Optics Express* , **2016**, 24, A312-40	3.3	186
27	Tracking the Source of Carbon Dot Photoluminescence: Aromatic Domains versus Molecular Fluorophores. *Nano Letters*, **2017**, 17, 7710-7716	11.5	160
26	Influence of molecular fluorophores on the research field of chemically synthesized carbon dots. *Nano Today*, **2018**, 23, 124-139	17.9	119
25	Photoaligned Nanorod Enhancement Films with Polarized Emission for Liquid-Crystal-Display Applications. *Advanced Materials*, **2017**, 29, 1701091	24	99
24	Aggregated Molecular Fluorophores in the Ammonothermal Synthesis of Carbon Dots. *Chemistry of Materials*, **2017**, 29, 10352-10361	9.6	85
23	Top-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	16.4	84
22	Carbonization conditions influence the emission characteristics and the stability against photobleaching of nitrogen doped carbon dots. *Nanoscale*, **2017**, 9, 11730-11738	7.7	66
21	Colloidal hybrid heterostructures based on II⁄VI semiconductor nanocrystals for photocatalytic hydrogen generation. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2014**, 19, 52-61	16.4	60
20	Combination of Photoinduced Alignment and Self-Assembly to Realize Polarized Emission from Ordered Semiconductor Nanorods. *ACS Nano*, **2015**, 9, 11049-55	16.7	55
19	Photoinduced Micropattern Alignment of Semiconductor Nanorods with Polarized Emission in a Liquid Crystal Polymer Matrix. *Nano Letters*, **2017**, 17, 3133-3138	11.5	49
18	Luminescent Down-Conversion Semiconductor Quantum Dots and Aligned Quantum Rods for Liquid Crystal Displays. *Advanced Science*, **2019**, 6, 1901345	13.6	45
17	Hexagonal Zn1⁄CdxS (0.2 ⁄x ⁄1) solid solution photocatalysts for H2 generation from water. *Catalysis Science and Technology*, **2017**, 7, 982-987	5.5	38
16	Top-Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. *Angewandte Chemie*, **2017**, 129, 9699-9704	3.6	26
15	Optically Addressable Photoaligned Semiconductor Nanorods in Thin Liquid Crystal Films for Display Applications. *Advanced Optical Materials*, **2018**, 6, 1800250	8.1	22
14	Ligand Shell Engineering to Achieve Optimal Photoalignment of Semiconductor Quantum Rods for Liquid Crystal Displays. *Advanced Functional Materials*, **2019**, 29, 1805094	15.6	20
13	Incorporating Copper Nanoclusters into Metal-Organic Frameworks: Confinement-Assisted Emission Enhancement and Application for Trinitrotoluene Detection. *Particle and Particle Systems Characterization*, **2017**, 34, 1700029	3.1	19

List of Publications

12	Chemically Synthesized Carbon Nanorods with Dual Polarized Emission. *ACS Nano*, **2019**, 13, 12024-12031	16.7	17
11	A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Self-Healing Function. *Small*, **2018**, 14, e1800315	11	15
10	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	3.8	11
9	Formulation of a Composite System of Liquid Crystals and Light-Emitting Semiconductor Quantum Rods: From Assemblies in Solution to Photoaligned Films. *Advanced Materials Technologies*, **2019**, 4, 1900695	6.8	10
8	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	0.5	7
7	Enhanced hydrogen evolution rates at high pH with a colloidal cadmium sulphide–platinum hybrid system. *APL Materials*, **2014**, 2, 126102	5.7	7
6	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	3.1	2
5	41-4: Microscale Pattern Polarized Emission from Semiconductor Nanorods by Photo-Induced Alignment Technology. *Digest of Technical Papers SID International Symposium*, **2017**, 48, 589-591	0.5	1
4	Composite Nanospheres Comprising Luminescent Carbon Dots Incorporated into a Polyhedral Oligomeric Silsesquioxane Matrix. *Journal of Physical Chemistry C*, **2021**, 125, 15094-15102	3.8	1
3	32-2: 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	0.5	
2	40.4: Photo-Induced Continuous Alignment of Semiconductor Quantum Rods. *Digest of Technical Papers SID International Symposium*, **2019**, 50, 452-452	0.5	
1	P-124: Photo Emissive Nanorods Display. *Digest of Technical Papers SID International Symposium*, **2018**, 49, 1674-1676	0.5	