

Angela Fiore

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Micrometer-Scale Assembly of Colloidal CdSe/CdS Nanorods Prepared by a Seeded Growth Approach. <i>Nano Letters</i> , 2007, 7, 2942-2950.	9.1	1,098
2	Assembly of Colloidal Semiconductor Nanorods in Solution by Depletion Attraction. <i>Nano Letters</i> , 2010, 10, 743-749.	9.1	250
3	Tetrapod-Shaped Colloidal Nanocrystals of II-VI Semiconductors Prepared by Seeded Growth. <i>Journal of the American Chemical Society</i> , 2009, 131, 2274-2282.	13.7	211
4	Heterodimers Based on CoPt ₃ Au Nanocrystals with Tunable Domain Size. <i>Journal of the American Chemical Society</i> , 2006, 128, 6690-6698.	13.7	202
5	One-Pot Synthesis and Characterization of Size-Controlled Bimagnetic FePt/Iron Oxide Heterodimer Nanocrystals. <i>Journal of the American Chemical Society</i> , 2008, 130, 1477-1487.	13.7	179
6	Ultrafast Electron-Hole Dynamics in Core/Shell CdSe/CdS Dot/Rod Nanocrystals. <i>Nano Letters</i> , 2008, 8, 4582-4587.	9.1	146
7	Polarized Light Emitting Diode by Long-Range Nanorod Self-Assembling on a Water Surface. <i>ACS Nano</i> , 2009, 3, 1506-1512.	14.6	127
8	End-to-End Assembly of Shape-Controlled Nanocrystals via a Nanowelding Approach Mediated by Gold Domains. <i>Advanced Materials</i> , 2009, 21, 550-554.	21.0	114
9	Room temperature-dipolelike single photon source with a colloidal dot-in-rod. <i>Applied Physics Letters</i> , 2010, 96, 033101.	3.3	75
10	Photoconduction Properties in Aligned Assemblies of Colloidal CdSe/CdS Nanorods. <i>ACS Nano</i> , 2010, 4, 1646-1652.	14.6	73
11	Fabrication and spectroscopic studies on highly luminescent CdSe/CdS nanorod polymer composites. <i>Beilstein Journal of Nanotechnology</i> , 2010, 1, 94-100.	2.8	61
12	Improved Photovoltaic Performance of Heterostructured Tetrapod-Shaped CdSe/CdTe Nanocrystals Using C60 Interlayer. <i>Advanced Materials</i> , 2009, 21, 4461-4466.	21.0	58
13	Self-assembly of highly fluorescent semiconductor nanorods into large scale smectic liquid crystal structures by coffee stain evaporation dynamics. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 264013.	1.8	42
14	Dots in rods as polarized single photon sources. <i>Superlattices and Microstructures</i> , 2010, 47, 165-169.	3.1	37
15	Quenching Dynamics in CdSe Nanoparticles: Surface-Induced Defects upon Dilution. <i>ACS Nano</i> , 2012, 6, 9033-9041.	14.6	35
16	The dynamic surface chemistry of colloidal metal chalcogenide quantum dots. <i>Nanoscale Advances</i> , 2019, 1, 3639-3646.	4.6	33
17	Optically induced light modulation in an hybrid nanocomposite system of inorganic CdSe/CdS nanorods and nematic liquid crystals. <i>Optical Materials</i> , 2010, 32, 1011-1016.	3.6	31
18	Synthesis of colloidal CuInSe ₂ nanocrystals films for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, S39-S43.	6.2	29

#	ARTICLE	IF	CITATIONS
19	Overview on Lead-Cooled Fast Reactor Design and Related Technologies Development in ENEA. Energies, 2021, 14, 5157.	3.1	25
20	Improved photovoltaic performance of bilayer heterojunction photovoltaic cells by triplet materials and tetrapod-shaped colloidal nanocrystals doping. Applied Physics Letters, 2009, 95, 043101.	3.3	20
21	Probe Tips Functionalized with Colloidal Nanocrystal Tetrapods for High-Resolution Atomic Force Microscopy Imaging. Small, 2008, 4, 2123-2126.	10.0	19
22	Large-Scale Simultaneous Orientation of CdSe Nanorods and Regioregular Poly(3-hexylthiophene) by Mechanical Rubbing. Macromolecules, 2013, 46, 6177-6186.	4.8	18
23	Temperature and Size Dependence of the Optical Properties of Tetrapod-Shaped Colloidal Nanocrystals Exhibiting Type-II Transitions. Journal of Physical Chemistry C, 2011, 115, 18094-18104.	3.1	17
24	Confinement effects on optical phonons in spherical, rod-, and tetrapod-shaped nanocrystals detected by Raman spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 483-486.	1.8	16
25	Simplified preparation and characterization of magnetic hydroxyapatite-based nanocomposites. Materials Science and Engineering C, 2017, 76, 1166-1174.	7.3	15
26	Highly conductive CuInSe ₂ nanocrystals with inorganic surface ligands. Materials Chemistry and Physics, 2012, 136, 877-882.	4.0	13
27	Charge transport in poly(3-hexylthiophene):CdSe nanocrystals hybrid thin films investigated with time-of-flight measurements. Applied Physics Letters, 2012, 101, 133301.	3.3	11
28	Evidence of electron wave function delocalization in CdSe/CdS asymmetric nanocrystals. Superlattices and Microstructures, 2010, 47, 170-173.	3.1	10
29	Evaluation of oscillator strength in colloidal CdSe/CdS dots-in-rods. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2688-2691.	0.8	8
30	Colloidal CuInSe ₂ nanocrystals thin films of low surface roughness. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 015004.	1.5	8
31	Colloidal Au/iron oxide nanocrystal heterostructures: magnetic, plasmonic and magnetic hyperthermia properties. Journal of Materials Chemistry C, 2018, 6, 12329-12340.	5.5	8
32	Material Performance in Lead and Lead-Bismuth Alloy. , 2020, , 218-241.		7
33	Raman and photoluminescence spectra of ZnTe/CdSe and ZnTe/CdTe tetrapod shaped nano-hetero structures. Superlattices and Microstructures, 2018, 113, 143-146.	3.1	6
34	Dynamic orientational photorefractive gratings observed in CdSe/CdS nanorods imbedded in liquid crystal cells. Optical Materials, 2010, 32, 1060-1065.	3.6	4
35	Electrochromic evaluation of airbrushed water-dispersible W ₁₈ O ₄₉ nanorods obtained by microwave-assisted synthesis. Nanotechnology, 2021, 32, 215709.	2.6	4
36	Polarized single photon emission for quantum cryptography based on colloidal nanocrystals. , 2009, , .		3

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37	DYNAMIC ORIENTATIONAL PHOTO-REFRACTIVE GRATINGS OBSERVED IN CdSe/CdS NANORODS DOPED NEMATIC LIQUID CRYSTAL CELLS. Journal of Nonlinear Optical Physics and Materials, 2010, 19, 111-121.	1.8	3
38	Magnetic Multicomponent Heterostructured Nanocrystals. , 2017, , 217-290.		0
39	Magnetically Active Asymmetric Nanoheterostructures Based on Colloidal All-Inorganic Multicomponent Nanocrystals. , 2017, , 69-121.		0