

Angela Fiore

List of Publications by Year in descending order

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39
papers

3,016
citations

361413

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docs citations

39
times ranked

3981
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Electrochromic evaluation of airbrushed water-dispersible $W_{18}O_{49}$ nanorods obtained by microwave-assisted synthesis. <i>Nanotechnology</i> , 2021, 32, 215709. | 2.6 | 4 |
| 2 | Overview on Lead-Cooled Fast Reactor Design and Related Technologies Development in ENEA. <i>Energies</i> , 2021, 14, 5157. | 3.1 | 25 |
| 3 | Material Performance in Lead and Lead-Bismuth Alloy. , 2020, , 218-241. | | 7 |
| 4 | The dynamic surface chemistry of colloidal metal chalcogenide quantum dots. <i>Nanoscale Advances</i> , 2019, 1, 3639-3646. | 4.6 | 33 |
| 5 | Raman and photoluminescence spectra of ZnTe/CdSe and ZnTe/CdTe tetrapod shaped nano-hetero structures. <i>Superlattices and Microstructures</i> , 2018, 113, 143-146. | 3.1 | 6 |
| 6 | Colloidal Au/iron oxide nanocrystal heterostructures: magnetic, plasmonic and magnetic hyperthermia properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12329-12340. | 5.5 | 8 |
| 7 | Simplified preparation and characterization of magnetic hydroxyapatite-based nanocomposites. <i>Materials Science and Engineering C</i> , 2017, 76, 1166-1174. | 7.3 | 15 |
| 8 | Magnetic Multicomponent Heterostructured Nanocrystals. , 2017, , 217-290. | | 0 |
| 9 | Magnetically Active Asymmetric Nanoheterostructures Based on Colloidal All-Inorganic Multicomponent Nanocrystals. , 2017, , 69-121. | | 0 |
| 10 | Large-Scale Simultaneous Orientation of CdSe Nanorods and Regioregular Poly(3-hexylthiophene) by Mechanical Rubbing. <i>Macromolecules</i> , 2013, 46, 6177-6186. | 4.8 | 18 |
| 11 | Colloidal $CuInSe_2$ nanocrystals thin films of low surface roughness. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 015004. | 1.5 | 8 |
| 12 | Charge transport in poly(3-hexylthiophene):CdSe nanocrystals hybrid thin films investigated with time-of-flight measurements. <i>Applied Physics Letters</i> , 2012, 101, 133301. | 3.3 | 11 |
| 13 | Quenching Dynamics in CdSe Nanoparticles: Surface-Induced Defects upon Dilution.. <i>ACS Nano</i> , 2012, 6, 9033-9041. | 14.6 | 35 |
| 14 | Highly conductive $CuInSe_2$ nanocrystals with inorganic surface ligands. <i>Materials Chemistry and Physics</i> , 2012, 136, 877-882. | 4.0 | 13 |
| 15 | Temperature and Size Dependence of the Optical Properties of Tetrapod-Shaped Colloidal Nanocrystals Exhibiting Type-II Transitions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18094-18104. | 3.1 | 17 |
| 16 | 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 |
| 17 | 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 |
| 18 | Photoconduction Properties in Aligned Assemblies of Colloidal CdSe/CdS Nanorods. <i>ACS Nano</i> , 2010, 4, 1646-1652. | 14.6 | 73 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | Dynamic orientational photorefractive gratings observed in CdSe/CdS nanorods imbedded in liquid crystal cells. <i>Optical Materials</i> , 2010, 32, 1060-1065. | 3.6 | 4 |
| 21 | Dots in rods as polarized single photon sources. <i>Superlattices and Microstructures</i> , 2010, 47, 165-169. | 3.1 | 37 |
| 22 | Evidence of electron wave function delocalization in CdSe/CdS asymmetric nanocrystals. <i>Superlattices and Microstructures</i> , 2010, 47, 170-173. | 3.1 | 10 |
| 23 | Evaluation of oscillator strength in colloidal CdSe/CdS dots-in-rods. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2688-2691. | 0.8 | 8 |
| 24 | DYNAMIC ORIENTATIONAL PHOTO-REFRACTIVE GRATINGS OBSERVED IN CdSe/CdS NANORODS DOPED NEMATIC LIQUID CRYSTAL CELLS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2010, 19, 111-121. | 1.8 | 3 |
| 25 | Assembly of Colloidal Semiconductor Nanorods in Solution by Depletion Attraction. <i>Nano Letters</i> , 2010, 10, 743-749. | 9.1 | 250 |
| 26 | Room temperature-dipolelike single photon source with a colloidal dot-in-rod. <i>Applied Physics Letters</i> , 2010, 96, 033101. | 3.3 | 75 |
| 27 | Improved photovoltaic performance of bilayer heterojunction photovoltaic cells by triplet materials and tetrapod-shaped colloidal nanocrystals doping. <i>Applied Physics Letters</i> , 2009, 95, 043101. | 3.3 | 20 |
| 28 | 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 |
| 29 | Improved Photovoltaic Performance of Heterostructured Tetrapod-Shaped CdSe/CdTe Nanocrystals Using C60 Interlayer. <i>Advanced Materials</i> , 2009, 21, 4461-4466. | 21.0 | 58 |
| 30 | Polarized single photon emission for quantum cryptography based on colloidal nanocrystals. , 2009, , . | | 3 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Probe Tips Functionalized with Colloidal Nanocrystal Tetrapods for High-Resolution Atomic Force Microscopy Imaging. <i>Small</i> , 2008, 4, 2123-2126. | 10.0 | 19 |
| 35 | Ultrafast Electron-Hole Dynamics in Core/Shell CdSe/CdS Dot/Rod Nanocrystals. <i>Nano Letters</i> , 2008, 8, 4582-4587. | 9.1 | 146 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | Confinement effects on optical phonons in spherical, rod-, and tetrapod-shaped nanocrystals detected by Raman spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 483-486. | 1.8 | 16 |
| 39 | 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 |