

Francesco Tassone

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,771
citations

471061

17
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

2806
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Hybridized electronic states between CdSe nanoparticles and conjugated organic ligands: A theoretical and ultrafast photo-excited carrier dynamics study. <i>Nano Research</i> , 2018, 11, 142-150. | 5.8 | 4 |
| 2 | Unraveling electron and hole relaxation dynamics in colloidal CdTe nanorods: a two-dimensional electronic spectroscopy study. <i>Proceedings of SPIE</i> , 2017, , . | 0.8 | 0 |
| 3 | Two-Dimensional Electronic Spectroscopy Unravels sub-100 fs Electron and Hole Relaxation Dynamics in Cd-Chalcogenide Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2285-2290. | 2.1 | 17 |
| 4 | Nonlinear Carrier Interactions in Lead Halide Perovskites and the Role of Defects. <i>Journal of the American Chemical Society</i> , 2016, 138, 13604-13611. | 6.6 | 73 |
| 5 | Charge Generation at Polymer/Metal Oxide Interface: from Molecular Scale Dynamics to Mesoscopic Effects. <i>Advanced Functional Materials</i> , 2014, 24, 3094-3099. | 7.8 | 10 |
| 6 | Cation exchange synthesis and optoelectronic properties of type II CdTe/Cu _{2-x} Te nano-heterostructures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3189. | 2.7 | 29 |
| 7 | Analysis of cadmium-based pigments with time-resolved photoluminescence. <i>Analytical Methods</i> , 2014, 6, 130-138. | 1.3 | 49 |
| 8 | Ultrafast Optical Mapping of Nonlinear Plasmon Dynamics in Cu _{2-x} Se Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3337-3344. | 2.1 | 47 |
| 9 | Nanoparticle-doped large area PMMA plates with controlled optical diffusion. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2927. | 2.7 | 35 |
| 10 | Charge Separation in the Hybrid CdSe Nanocrystal/Organic Interface: Role of the Ligands Studied by Ultrafast Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5969-5974. | 1.5 | 11 |
| 11 | Plasmonics in heavily-doped semiconductor nanocrystals. <i>European Physical Journal B</i> , 2013, 86, 1. | 0.6 | 76 |
| 12 | Strongly Fluorescent Quaternary Cu _{1-x} In _x Zn _{1-x} S Nanocrystals Prepared from Cu _{1-x} In _x Nanocrystals by Partial Cation Exchange. <i>Chemistry of Materials</i> , 2012, 24, 2400-2406. | 3.2 | 291 |
| 13 | Dynamic Microscopy Study of Ultrafast Charge Transfer in a Hybrid P3HT/Hyperbranched CdSe Nanoparticle Blend for Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 517-523. | 2.1 | 40 |
| 14 | Spectroscopic Signature of Trap States in Assembled CdSe Nanocrystal Hybrid Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16259-16263. | 1.5 | 9 |
| 15 | Highly transparent nanocomposite films from water-based poly(2-ethyl-2-oxazoline)/TiO ₂ dispersions. <i>RSC Advances</i> , 2012, 2, 6628. | 1.7 | 25 |
| 16 | Blue-UV-Emitting ZnSe(Dot)/ZnS(Rod) Core/Shell Nanocrystals Prepared from CdSe/CdS Nanocrystals by Sequential Cation Exchange. <i>ACS Nano</i> , 2012, 6, 1637-1647. | 7.3 | 138 |
| 17 | Band-edge ultrafast pump-probe spectroscopy of core/shell CdSe/CdS rods: assessing electron delocalization by effective mass calculations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7420. | 1.3 | 12 |
| 18 | Steady-state photoinduced absorption of CdSe/CdS octapod shaped nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15326. | 1.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Ultrafast Exciton Dynamics in Colloidal CdSe/CdS Octapod Shaped Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 9005-9011. | 1.5 | 19 |
| 20 | Plasmon Dynamics in Colloidal Cu ₂ X ₂ Se Nanocrystals. Nano Letters, 2011, 11, 4711-4717. | 4.5 | 158 |
| 21 | Suppression of Biexciton Auger Recombination in CdSe/CdS Dot/Rods: Role of the Electronic Structure in the Carrier Dynamics. Nano Letters, 2010, 10, 3142-3150. | 4.5 | 97 |
| 22 | Dimerization of CO ₂ at High Pressure and Temperature. ChemPhysChem, 2005, 6, 1752-1756. | 1.0 | 22 |
| 23 | Exciton-polariton lasing in a microcavity. Semiconductor Science and Technology, 2003, 18, S386-S394. | 1.0 | 23 |
| 24 | Optical properties of microcavity polaritons. Phase Transitions, 1999, 68, 169-279. | 0.6 | 85 |
| 25 | Radiative lifetime of free excitons in quantum wells. Solid State Communications, 1991, 77, 641-645. | 0.9 | 492 |