

# 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	Radiative lifetime of free excitons in quantum wells. <i>Solid State Communications</i> , 1991, 77, 641-645.	0.9	492
2	Strongly Fluorescent Quaternary Cu <sub>1-x</sub> In <sub>x</sub> Zn <sub>1-x</sub> S Nanocrystals Prepared from Cu <sub>1-x</sub> In <sub>x</sub> S <sub>2</sub> Nanocrystals by Partial Cation Exchange. <i>Chemistry of Materials</i> , 2012, 24, 2400-2406.	3.2	291
3	Plasmon Dynamics in Colloidal Cu <sub>2</sub> Se Nanocrystals. <i>Nano Letters</i> , 2011, 11, 4711-4717.	4.5	158
4	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
5	Suppression of Biexciton Auger Recombination in CdSe/CdS Dot/Rods: Role of the Electronic Structure in the Carrier Dynamics. <i>Nano Letters</i> , 2010, 10, 3142-3150.	4.5	97
6	Optical properties of microcavity polaritons. <i>Phase Transitions</i> , 1999, 68, 169-279.	0.6	85
7	Plasmonics in heavily-doped semiconductor nanocrystals. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	76
8	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
9	Analysis of cadmium-based pigments with time-resolved photoluminescence. <i>Analytical Methods</i> , 2014, 6, 130-138.	1.3	49
10	Ultrafast Optical Mapping of Nonlinear Plasmon Dynamics in Cu <sub>2</sub> Se Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3337-3344.	2.1	47
11	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
12	Nanoparticle-doped large area PMMA plates with controlled optical diffusion. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2927.	2.7	35
13	Cation exchange synthesis and optoelectronic properties of type II CdTe <sub>1-x</sub> Cu <sub>2x</sub> Te nano-heterostructures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3189.	2.7	29
14	Highly transparent nanocomposite films from water-based poly(2-ethyl-2-oxazoline)/TiO <sub>2</sub> dispersions. <i>RSC Advances</i> , 2012, 2, 6628.	1.7	25
15	Exciton-polariton lasing in a microcavity. <i>Semiconductor Science and Technology</i> , 2003, 18, S386-S394.	1.0	23
16	Dimerization of CO <sub>2</sub> at High Pressure and Temperature. <i>ChemPhysChem</i> , 2005, 6, 1752-1756.	1.0	22
17	Ultrafast Exciton Dynamics in Colloidal CdSe/CdS Octapod Shaped Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9005-9011.	1.5	19
18	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

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19	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
20	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
21	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
22	Steady-state photoinduced absorption of CdSe/CdS octapod shaped nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15326.	1.3	9
23	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
24	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
25	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