Andrea Mura

List of Publications by Year
in descending order

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64	2,553	236925	189892
papers	citations	25	50
		h-index	g-index

64	64	64	4784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct measurement of radiative decay rates in metal halide perovskites. Energy and Environmental Science, 2022, 15, 1211-1221.	30.8	7
2	Pressure response of decylammonium-containing 2D iodide perovskites. IScience, 2022, 25, 104057.	4.1	4
3	Silicon-based fluorescent platforms for copper(<scp>ii</scp>) detection in water. RSC Advances, 2021, 11, 15557-15564.	3.6	6
4	Polaron Plasma in Equilibrium with Bright Excitons in 2D and 3D Hybrid Perovskites. Advanced Optical Materials, 2021, 9, 2100295.	7.3	14
5	Long-lived electrets and lack of ferroelectricity in methylammonium lead bromide CH₃NH₃PbBr₃ ferroelastic single crystals. Physical Chemistry Chemical Physics, 2021, 23, 3233-3245.	2.8	7
6	Heteroleptic NIR-Emitting Yb^{III}/Anilate-Based Neutral Coordination Polymer Nanosheets for Solvent Sensing. ACS Applied Nano Materials, 2020, 3, 94-104.	5.0	29
7	Ag/In leadâ€free double perovskites. EcoMat, 2020, 2, e12017.	11.9	16
8	Layered Germanium Hybrid Perovskite Bromides: Insights from Experiments and Firstâ€Principles Calculations. Advanced Functional Materials, 2019, 29, 1903528.	14.9	26
9	Bifacial Diffuse Absorptance of Semitransparent Microstructured Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 10021-10027.	8.0	10
10	The role of excitons in 3D and 2D lead halide perovskites. Journal of Materials Chemistry C, 2019, 7, 12006-12018.	5.5	80
11	Perovskite Excitonics: Primary Exciton Creation and Crossover from Free Carriers to a Secondary Exciton Phase. Advanced Optical Materials, 2018, 6, 1700839.	7.3	36
12	Direct or Indirect Bandgap in Hybrid Lead Halide Perovskites?. Advanced Optical Materials, 2018, 6, 1701254.	7.3	54
13	Donorâ€“acceptor photoexcitation dynamics in organic blends investigated with a high sensitivity pumpâ€“probe system. Journal of Materials Chemistry C, 2018, 6, 10822-10828.	5.5	2
14	Nanosheets of Two-Dimensional Neutral Coordination Polymers Based on Near-Infrared-Emitting Lanthanides and a Chlorocyananilate Ligand. Chemistry of Materials, 2018, 30, 6575-6586.	6.7	36
15	Self-Assembled Lead Halide Perovskite Nanocrystals in a Perovskite Matrix. ACS Energy Letters, 2017, 2, 769-775.	17.4	15
16	Optical determination of Shockley-Read-Hall and interface recombination currents in hybrid perovskites. Scientific Reports, 2017, 7, 44629.	3.3	175
17	Ultrafast Optical Spectroscopy Techniques Applied to Colloidal Nanocrystals. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 483-485.	0.3	0
18	Multi-NIR-Emissive Materials based on Heterolanthanide Molecular Assemblies. MRS Advances, 2016, 1, 2683-2688.	0.9	1

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19	High efficient fluorescent stable colloidal sealed dye-doped mesostructured silica nanoparticles. Microporous and Mesoporous Materials, 2016, 225, 432-439.	4.4	19
20	Excited State Properties of Hybrid Perovskites. Accounts of Chemical Research, 2016, 49, 166-173.	15.6	144
21	Can Trihalide Lead Perovskites Support Continuous Wave Lasing?. Advanced Optical Materials, 2015, 3, 1557-1564.	7.3	72
22	Synergic combination of the solâ€“gel method with dip coating for plasmonic devices. Beilstein Journal of Nanotechnology, 2015, 6, 500-507.	2.8	3
23	Bithiophene-based polybenzofulvene derivatives with high stacking and hole mobility. Polymer Chemistry, 2015, 6, 7377-7388.	3.9	24
24	Near IR to Red Up-Conversion in Tetracene/Pentacene Host/Guest Cocrystals Enhanced by Energy Transfer from Host to Guest. Journal of Physical Chemistry C, 2015, 119, 17495-17501.	3.1	15
25	Efficient Exciton Diffusion and Resonance-Energy Transfer in Multilayered Organic Epitaxial Nanofibers. Journal of Physical Chemistry C, 2015, 119, 15689-15697.	3.1	12
26	Opto-electronics of PbS quantum dot and narrow bandgap polymer blends. Journal of Materials Chemistry C, 2015, 3, 5499-5505.	5.5	26
27	Light Conversion Control in NIR-Emissive Optical Materials Based on Heterolanthanide Er_xYb_{3â€“x} Quinolinolato Molecular Components. Chemistry of Materials, 2015, 27, 4082-4092.	6.7	19
28	Absorption F-Sum Rule for the Exciton Binding Energy in Methylammonium Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2015, 6, 4566-4572.	4.6	149
29	Controlling Nd-to-Yb energy transfer through a molecular approach. Journal of Materials Chemistry C, 2015, 3, 11524-11530.	5.5	24
30	Aggregation-Induced FÃ¶rster Resonance Energy Transfer in Polybenzofulvene/Dye Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 18986-18991.	3.1	22
31	Ln₃Q₉ as a Molecular Framework for Ionâ€Sizeâ€Driven Assembly of Heterolanthanide (Nd, Er, Yb) Multiple Nearâ€Infrared Emitters. Chemistry - A European Journal, 2015, 21, 3882-3885.	3.3	26
32	Sol-gel silica films embedding NIR- emitting Yb-quinolinolate complexes. , 2014, , .		1
33	Multiband Laser Action from Organic-Organic Heteroepitaxial Nanofibers. Materials Research Society Symposia Proceedings, 2014, 1632, 1.	0.1	0
34	Colloidal Bi₂S₃ Nanocrystals: Quantum Size Effects and Midgap States. Advanced Functional Materials, 2014, 24, 3341-3350.	14.9	65
35	Heteroepitaxy of Organic Nanofibers: Example of Ternaphthalene on p-Hexaphenyl. Crystal Growth and Design, 2014, 14, 5719-5728.	3.0	7
36	Charge separation in Pt-decorated CdSe@CdS octapod nanocrystals. Nanoscale, 2014, 6, 2238-2243.	5.6	15

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37	Optical Sensitivity Gain in Silica-Coated Plasmonic Nanostructures. Journal of Physical Chemistry Letters, 2014, 5, 2935-2940.	4.6	14
38	Correlated electronâ€“hole plasma in organometal perovskites. Nature Communications, 2014, 5, 5049.	12.8	497
39	Plasmonic Structures for Sensing and Emitting Devices. Journal of Physics: Conference Series, 2014, 566, 012015.	0.4	2
40	Fully Efficient Direct Yb-to-Er Energy Transfer at Molecular Level in a Near-Infrared Emitting Heterometallic Trinuclear Quinolinolato Complex. Journal of Physical Chemistry Letters, 2013, 4, 3062-3066.	4.6	25
41	Light-Induced Charged and Trap States in Colloidal Nanocrystals Detected by Variable Pulse Rate Photoluminescence Spectroscopy. ACS Nano, 2013, 7, 229-238.	14.6	44
42	Extending the Lasing Wavelength Coverage of Organic Semiconductor Nanofibers by Periodic Organicâ€“Organic Heteroepitaxy. Advanced Optical Materials, 2013, 1, 117-122.	7.3	23
43	Organicâ€“Organic Heteroepitaxyâ€”The Method of Choice to Tune Optical Emission of Organic Nano-fibers?. Springer Series in Materials Science, 2013, , 49-78.	0.6	0
44	Excited-State Dynamics and Laser Action in Epitaxial Organic Nanofibers. Springer Series in Materials Science, 2013, , 231-249.	0.6	0
45	Interface Properties of Organic para-Hexaphenyl/Î±-Sexithiophene Heterostructures Deposited on Highly Oriented Pyrolytic Graphite. Langmuir, 2013, 29, 14444-14450.	3.5	8
46	Reversible Light-Induced On-Off Switching of Charge Traps in Quantum Dots Probe by Variable-Pulse-Rate Photoluminescence Spectroscopy.. Materials Research Society Symposia Proceedings, 2013, 1509, 1.	0.1	0
47	Auger Recombination of Biexcitons and Charged Excitons in CdSe/CdS core/shell Nanocrystals. Materials Research Society Symposia Proceedings, 2012, 1409, 13.	0.1	0
48	Color Tuning of Nanofibers by Periodic Organicâ€“Organic Hetero-Epitaxy. ACS Nano, 2012, 6, 4629-4638.	14.6	35
49	Silica solâ€“gel glasses incorporating dual-luminescent Yb quinolinolato complex: processing, emission and photosensitising properties of the â€˜antennaâ€™ ligand. Dalton Transactions, 2012, 41, 13147.	3.3	10
50	Dual Emitting [Yb(5,7ClQ)₂(H5,7ClQ)₂Cl]: Chemical and Photophysical Properties. ChemPlusChem, 2012, 77, 240-248.	2.8	15
51	Charged excitons, Auger recombination and optical gain in CdSe/CdS nanocrystals. Nanotechnology, 2012, 23, 015201.	2.6	41
52	Size-Dependent Electron Transfer from Colloidal PbS Nanocrystals to Fullerene. Journal of Physical Chemistry Letters, 2010, 1, 1149-1154.	4.6	54
53	Ultrafast Dynamics of Intersystem Crossing and Resonance Energy Transfer in Er(III)â^'Quinolinolate Complexes. Journal of Physical Chemistry Letters, 2010, 1, 2733-2737.	4.6	27
54	Population Saturation in Trivalent Erbium Sensitized by Organic Molecular Antennae. Journal of Physical Chemistry Letters, 2010, 1, 141-144.	4.6	15

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55	Organicâ^'Organic Heteroepitaxy of Red-, Green-, and Blue-Emitting Nanofibers. ACS Nano, 2010, 4, 6244-6250.	14.6	42
56	Solutionâ€Processable Nearâ€IR Photodetectors Based on Electron Transfer from PbS Nanocrystals to Fullerene Derivatives. Advanced Materials, 2009, 21, 683-687.	21.0	121
57	Excitonâ€"Exciton Interaction and Optical Gain in Colloidal CdSe/CdS Dot/Rod Nanocrystals. Advanced Materials, 2009, 21, 4942-4946.	21.0	82
58	Highly Emissive Nanostructured Thin Films of Organic Hostâ€"Guests for Energy Conversion. ChemPhysChem, 2009, 10, 647-653.	2.1	68
59	Spatial Control of 3D Energy Transfer in Supramolecular Nanostructured Hostâ^'Guest Architectures. Journal of Physical Chemistry B, 2009, 113, 10566-10570.	2.6	21
60	Temperature Tuning of Nonlinear Exciton Processes in Selfâ€Assembled Oligophenyl Nanofibers under Laser Action. Advanced Materials, 2008, 20, 3017-3021.	21.0	21
61	Optical Gain and Random Lasing in Self-Assembled Organic Nanofibers. , 2008, , 239-260.		0
62	Three-Dimensional Energy Transport in Highly Luminescent Hostâ^'Guest Crystals:Â A Quantitative Experimental and Theoretical Study. Journal of the American Chemical Society, 2007, 129, 8585-8593.	13.7	62
63	Structure and Emission Properties of Er3Q9(Q = 8-Quinolinolate). Inorganic Chemistry, 2005, 44, 840-842.	4.0	81
64	One-Dimensional Random Lasing in a Single Organic Nanofiber. Journal of Physical Chemistry B, 2005, 109, 21690-21693.	2.6	84