

Daniela Marongiu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,627
citations

361413

20
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

3489
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlated electron-hole plasma in organometal perovskites. <i>Nature Communications</i> , 2014, 5, 5049.	12.8	497
2	Optical determination of Shockley-Read-Hall and interface recombination currents in hybrid perovskites. <i>Scientific Reports</i> , 2017, 7, 44629.	3.3	175
3	Absorption F-Sum Rule for the Exciton Binding Energy in Methylammonium Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4566-4572.	4.6	149
4	The role of excitons in 3D and 2D lead halide perovskites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12006-12018.	5.5	80
5	Can Trihalide Lead Perovskites Support Continuous Wave Lasing?. <i>Advanced Optical Materials</i> , 2015, 3, 1557-1564.	7.3	72
6	Colloidal Bi ₂ S ₃ Nanocrystals: Quantum Size Effects and Midgap States. <i>Advanced Functional Materials</i> , 2014, 24, 3341-3350.	14.9	65
7	Direct or Indirect Bandgap in Hybrid Lead Halide Perovskites?. <i>Advanced Optical Materials</i> , 2018, 6, 1701254.	7.3	54
8	Hydrophilicity and Water Contact Angle on Methylammonium Lead Iodide. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801173.	3.7	43
9	Perovskite Excitonics: Primary Exciton Creation and Crossover from Free Carriers to a Secondary Exciton Phase. <i>Advanced Optical Materials</i> , 2018, 6, 1700839.	7.3	36
10	Nanosheets of Two-Dimensional Neutral Coordination Polymers Based on Near-Infrared-Emitting Lanthanides and a Chlorocyananilate Ligand. <i>Chemistry of Materials</i> , 2018, 30, 6575-6586.	6.7	36
11	Writing Self-Assembled Mesostructured Films with In situ Formation of Gold Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 2132-2137.	6.7	34
12	Novel Physical Vapor Deposition Approach to Hybrid Perovskites: Growth of MAPbI ₃ Thin Films by RF-Magnetron Sputtering. <i>Scientific Reports</i> , 2018, 8, 15388.	3.3	30
13	Heteroleptic NIR-Emitting Yb ^{III} /Anilate-Based Neutral Coordination Polymer Nanosheets for Solvent Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 94-104.	5.0	29
14	Sol-gel Processing of Bi ₂ Ti ₂ O ₇ and Bi ₂ Ti ₄ O ₁₁ Films with Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2897-2902.	3.8	27
15	Layered Germanium Hybrid Perovskite Bromides: Insights from Experiments and First-Principles Calculations. <i>Advanced Functional Materials</i> , 2019, 29, 1903528.	14.9	26
16	Shaping Mesoporous Films Using Dewetting on X-ray Pre-patterned Hydrophilic/Hydrophobic Layers and Pinning Effects at the Pattern Edge. <i>Langmuir</i> , 2011, 27, 3898-3905.	3.5	23
17	Enhanced Photocatalytic Activity in Low-Temperature Processed Titania Mesoporous Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12000-12009.	3.1	22
18	Investigation of Dimethylammonium Solubility in MAPbBr ₃ Hybrid Perovskite: Synthesis, Crystal Structure, and Optical Properties. <i>Inorganic Chemistry</i> , 2019, 58, 944-949.	4.0	22

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19	Self-Assembly of Shape Controlled Hierarchical Porous Thin Films: Mesopores and Nanoboxes. <i>Chemistry of Materials</i> , 2009, 21, 4846-4850.	6.7	21
20	Innovative Composite Films of Chitosan, Methylcellulose, and Nanoparticles. <i>Journal of Food Science</i> , 2011, 76, N54-60.	3.1	21
21	Formation of cerium titanate, CeTi ₂ O ₆ , in sol-gel films studied by XRD and FAR infrared spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 356-361.	2.4	18
22	Ag/In lead-free double perovskites. <i>EcoMat</i> , 2020, 2, e12017.	11.9	16
23	Self-Assembled Lead Halide Perovskite Nanocrystals in a Perovskite Matrix. <i>ACS Energy Letters</i> , 2017, 2, 769-775.	17.4	15
24	An alternative sol-gel route for the preparation of thin films in CeO ₂ -TiO ₂ binary system. <i>Thin Solid Films</i> , 2010, 518, 1653-1657.	1.8	14
25	Optical Sensitivity Gain in Silica-Coated Plasmonic Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2935-2940.	4.6	14
26	Polaron Plasma in Equilibrium with Bright Excitons in 2D and 3D Hybrid Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2100295.	7.3	14
27	Bifacial Diffuse Absorptance of Semitransparent Microstructured Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10021-10027.	8.0	10
28	Pore-confined synthesis of mesoporous nanocrystalline La-Ce phosphate films for sensing applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 20498.	6.7	9
29	Boosting, probing and switching-off visible light-induced photocurrents in eumelanin-porous silicon hybrids. <i>RSC Advances</i> , 2015, 5, 56704-56710.	3.6	8
30	Combined Experimental/Theoretical Study on the Luminescent Properties of Homoleptic/Heteroleptic Erbium(III) Anilate-Based 2D Coordination Polymers. <i>Inorganic Chemistry</i> , 2021, 60, 17765-17774.	4.0	8
31	Long-lived electrets and lack of ferroelectricity in methylammonium lead bromide CH ₃ NH ₃ PbBr ₃ ferroelastic single crystals. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3233-3245.	2.8	7
32	Direct measurement of radiative decay rates in metal halide perovskites. <i>Energy and Environmental Science</i> , 2022, 15, 1211-1221.	30.8	7
33	Silicon-based fluorescent platforms for copper(II) detection in water. <i>RSC Advances</i> , 2021, 11, 15557-15564.	3.6	6
34	Simultaneous in situ and Time-Resolved Study of Hierarchical Porous Films Templated by Salt Nanocrystals and Self-Assembled Micelles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12702-12707.	3.1	3
35	Liquid-Phase Preparation and Characterization of Zinc Oxide Nanoparticles. <i>Particulate Science and Technology</i> , 2012, 30, 32-42.	2.1	3
36	Synergic combination of the sol-gel method with dip coating for plasmonic devices. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 500-507.	2.8	3

#	ARTICLE	IF	CITATIONS
37	Paving the way for solution-processable perovskite lasers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 1028-1033.	0.8	3
38	Photoluminescence emission induced by localized states in halide-passivated colloidal two-dimensional WS_2 nanoflakes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2398-2407.	5.5	3
39	Thickness controlled sol-gel silica films for plasmonic bio-sensing devices. , 2014, , .		2
40	Controlling shape and dimensions of pores in organic-inorganic films: nanocubes and nanospheres. <i>New Journal of Chemistry</i> , 2011, 35, 1624.	2.8	1