

# Davide Cristofori

## List of Publications by Year in descending order

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28  
papers

885  
citations

430874

18  
h-index

501196

28  
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times ranked

1448  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Insights into the SnO <sub>2</sub> Sensing Mechanism Based on the Properties of Shape Controlled Tin Oxide Nanoparticles. <i>Chemistry of Materials</i> , 2013, 25, 3675-3686.	6.7	82
2	Design of Carbon Dots for Metal-free Photoredox Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40560-40567.	8.0	79
3	Upconversion-mediated Boltzmann thermometry in double-layered Bi <sub>2</sub> SiO <sub>5</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> @SiO <sub>2</sub> hollow nanoparticles. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7828-7836.	5.5	61
4	Lanthanide-Doped Bi <sub>2</sub> SiO <sub>5</sub> @SiO <sub>2</sub> Core-Shell Upconverting Nanoparticles for Stable Ratiometric Optical Thermometry. <i>ACS Applied Nano Materials</i> , 2020, 3, 2594-2604.	5.0	55
5	Effect of age and level of damage on the autogenous healing of lime mortars. <i>Composites Part B: Engineering</i> , 2017, 124, 144-157.	12.0	52
6	Synthesis and optical properties of sub-micron sized rare earth-doped zirconia particles. <i>Optical Materials</i> , 2011, 33, 1745-1752.	3.6	46
7	High dielectric constant rutile-polystyrene composite with enhanced percolative threshold. <i>Journal of Materials Chemistry C</i> , 2013, 1, 484-492.	5.5	46
8	Energy Transfer in Bi- and Er-Codoped Y <sub>2</sub> O <sub>3</sub> Nanocrystals: An Effective System for Rare Earth Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30071-30078.	3.1	43
9	Optical investigation of Tb <sup>3+</sup> -doped Y <sub>2</sub> O <sub>3</sub> nanocrystals prepared by Pechini-type sol-gel process. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	42
10	Encapsulation of submicrometer-sized silica particles by a thin shell of poly(methyl methacrylate). <i>Journal of Colloid and Interface Science</i> , 2009, 331, 351-355.	9.4	37
11	Structural and magnetic properties of mesoporous SiO <sub>2</sub> nanoparticles impregnated with iron oxide or cobalt-iron oxide nanocrystals. <i>Journal of Materials Chemistry</i> , 2012, 22, 19276.	6.7	35
12	Size-controlled self-assembly of anisotropic sepiolite fibers in rubber nanocomposites. <i>Applied Clay Science</i> , 2018, 152, 51-64.	5.2	35
13	Confined-Melting-Assisted Synthesis of Bismuth Silicate Glass-Ceramic Nanoparticles: Formation and Optical Thermometry Investigation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55195-55204.	8.0	35
14	Bi <sub>2</sub> SiO <sub>5</sub> @g-SiO <sub>2</sub> upconverting nanoparticles: a bismuth-driven core-shell self-assembly mechanism. <i>Nanoscale</i> , 2019, 11, 675-687.	5.6	31
15	Lanthanide-Doped Bismuth-Based Fluoride Nanocrystalline Particles: Formation, Spectroscopic Investigation, and Chemical Stability. <i>Chemistry of Materials</i> , 2019, 31, 8504-8514.	6.7	29
16	Structural and photoluminescence properties of ZrO <sub>2</sub> :Eu <sup>3+</sup> @ SiO <sub>2</sub> nanophosphors as a function of annealing temperature. <i>Journal of Luminescence</i> , 2010, 130, 2429-2436.	3.1	28
17	Laser beam irradiation of silver doped silicate glasses. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2010, 268, 3177-3182.	1.4	24
18	Investigating the feasibility of valorizing residual char from biomass gasification as catalyst support in Fischer-Tropsch synthesis. <i>Renewable Energy</i> , 2020, 147, 884-894.	8.9	22

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19	Effect of Graphite and Copper Oxide on the Performance of High Potential Li[Fe 1/3 Ni 1/3 Co 1/3 ]PO <sub>4</sub> Olivine Cathodes for Lithium Batteries. <i>Electrochimica Acta</i> , 2017, 225, 533-542.	5.2	17
20	Redesigning an Electrochemical MIP Sensor for PFOS: Practicalities and Pitfalls. <i>Sensors</i> , 2019, 19, 4433.	3.8	16
21	Structural and luminescence properties of europium(III)-doped zirconium carbonates and silica-supported Eu <sup>3+</sup> -doped zirconium carbonate nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 993-1002.	1.9	15
22	Electron microscopy of reverse biased p-n junctions. <i>Micron</i> , 2000, 31, 231-236.	2.2	12
23	Effect of the microstructure on concentration quenching in heavily doped Tb <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> nanoparticles embedded in silica. <i>Chemical Physics Letters</i> , 2006, 431, 326-331.	2.6	11
24	On the synthesis of a compound with positive enthalpy of formation: Zinc-blende-like RuN thin films obtained by rf-magnetron sputtering. <i>Applied Surface Science</i> , 2014, 320, 863-870.	6.1	11
25	In situ synthesis of Eu(Tp) <sub>3</sub> complex inside the pores of mesoporous silica nanoparticles. <i>Journal of Luminescence</i> , 2013, 142, 28-34.	3.1	9
26	On the synthesis and thermal stability of RuN, an uncommon nitride. <i>Surface and Coatings Technology</i> , 2016, 295, 93-98.	4.8	6
27	A multinuclear solid-state magnetic resonance study on submicrometer-sized SiO <sub>2</sub> particles encapsulated by a PMMA shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 191-195.	4.7	3
28	Incorporation of Eu-Tb codoped nanophosphors in silica-based coatings assisted by atmospheric pressure plasma jet technology. <i>Thin Solid Films</i> , 2015, 578, 38-44.	1.8	3