

Paolo Dolcet

List of Publications by Year in descending order

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39
papers

952
citations

430874

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h-index

454955

30
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all docs

40
docs citations

40
times ranked

1605
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Noble Metal Concentration on Ceria as a Key Descriptor for Efficient Catalytic CO Oxidation. ACS Catalysis, 2022, 12, 2473-2486.	11.2	19
2	Design Principles and Insights into the Liquid-Phase Exfoliation of Alpha-MoO ₃ for the Production of Colloidal 2D Nano-inks in Green Solvents. Journal of Physical Chemistry C, 2022, 126, 404-415.	3.1	2
3	Insights into the Structural Dynamics of Pt/CeO ₂ Single-Site Catalysts during CO Oxidation. Catalysts, 2021, 11, 617.	3.5	6
4	Tuning the Activity of a Hybrid Polymer-oxocluster Catalyst: A Composition-selectivity Correlation. Polymers, 2021, 13, 3268.	4.5	1
5	Microfluidic Crystallization of Surfactant-Free Doped Zinc Sulfide Nanoparticles for Optical Bioimaging Applications. ACS Applied Materials & Interfaces, 2020, 12, 44074-44087.	8.0	13
6	Tracking the formation, fate and consequence for catalytic activity of Pt single sites on CeO ₂ . Nature Catalysis, 2020, 3, 824-833.	34.4	209
7	Ligand-free ZnS nanoparticles: as easy and green as it gets. Chemical Communications, 2020, 56, 8707-8710.	4.1	7
8	The role of the synthetic pathways on properties of Ag ₂ S nanoparticles for photothermal applications. Applied Surface Science, 2020, 514, 145856.	6.1	17
9	The Influence of the Gold Particle Size on the Catalytic Oxidation of 5-(Hydroxymethyl)furfural. Catalysts, 2020, 10, 342.	3.5	20
10	The Effect of Prereduction on the Performance of Pd/Al ₂ O ₃ and Pd/CeO ₂ Catalysts during Methane Oxidation. Industrial & Engineering Chemistry Research, 2019, 58, 12561-12570.	3.7	58
11	Exploring wet chemistry approaches to ZnFe ₂ O ₄ spinel ferrite nanoparticles with different inversion degrees: a comparative study. Inorganic Chemistry Frontiers, 2019, 6, 1527-1534.	6.0	32
12	Easy and Green Route towards Nanostructured ZnO as an Active Sensing Material with Unexpected H ₂ S Dosimeter-type Behaviour. European Journal of Inorganic Chemistry, 2019, 2019, 837-846.	2.0	4
13	Effects of graphite nano-particle additions on dry sliding behaviour of plasma-electrolytic-oxidation-treated EV31A magnesium alloy against steel in air. Wear, 2018, 404-405, 122-132.	3.1	50
14	Very fast crystallisation of MFe ₂ O ₄ spinel ferrites (M = Co, Mn, Ni, Zn) under low temperature hydrothermal conditions: a time-resolved structural investigation. Green Chemistry, 2018, 20, 2257-2268.	9.0	25
15	Thermal Evolution of ZnS Nanostructures: Effect of Oxidation Phenomena on Structural Features and Photocatalytical Performances. Inorganic Chemistry, 2018, 57, 13104-13114.	4.0	15
16	Antibacterial effect of PEO coating with silver on AA7075. Materials Science and Engineering C, 2017, 75, 554-564.	7.3	32
17	Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis. Journal of Materials Chemistry C, 2017, 5, 3359-3371.	5.5	15
18	Room-Temperature Crystallization of CuS Nanostructures for Photothermal Applications through a Nanoreactor Approach. European Journal of Inorganic Chemistry, 2017, 2017, 2745-2754.	2.0	8

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19	Synergy of Miniemulsion and Solvothermal Conditions for the Low-Temperature Crystallization of Magnetic Nanostructured Transition-Metal Ferrites. <i>Chemistry of Materials</i> , 2017, 29, 985-997.	6.7	30
20	In Situ Study of the Oxygen-Induced Transformation of Pyrochlore Ce ₂ Zr ₂ O ₇ to the Î ⁹ -Ce ₂ Zr ₂ O ₈ Phase. <i>Chemistry of Materials</i> , 2017, 29, 9218-9226.	6.7	20
21	Smart and Covalently Cross-Linked: Hybrid Shape Memory Materials Reinforced through Covalent Bonds by Zirconium Oxoclusters. <i>ChemPlusChem</i> , 2016, 81, 338-350.	2.8	4
22	Synthesis and full characterization of the phase-pure pyrochlore Ce ₂ Zr ₂ O ₇ and the Î ⁹ -Ce ₂ Zr ₂ O ₈ phases. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 23-34.	20.2	28
23	Plasma electrolytic oxidation coating produced on 39NiCrMo3 steel. <i>Surface and Coatings Technology</i> , 2016, 307, 73-80.	4.8	33
24	Crystallization at Nanodroplet Interfaces in Emulsion Systems: A Soft-Template Strategy for Preparing Porous and Hollow Nanoparticles. <i>Langmuir</i> , 2016, 32, 13116-13123.	3.5	15
25	In-depth mesocrystal formation analysis of microwave-assisted synthesis of LiMnPO ₄ nanostructures in organic solution. <i>CrystEngComm</i> , 2016, 18, 316-327.	2.6	13
26	Engineering of oxoclusters-reinforced polymeric materials with application as heterogeneous oxysulfurization catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 636-644.	20.2	22
27	Synthesis and Physicochemical Characterization of Ce ¹⁺ Gd ²⁺ O ₂ : A Case Study on the Impact of the Oxygen Storage Capacity on the HCl Oxidation Reaction. <i>ChemCatChem</i> , 2015, 7, 3738-3747.	3.7	16
28	Very low temperature wet-chemistry colloidal routes for mono- and polymetallic nanosized crystalline inorganic compounds. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 591-604.	2.4	7
29	Room temperature crystallization of highly luminescent lanthanide-doped CaF ₂ in nanosized droplets: first example of the synthesis of metal halogenide in miniemulsion with effective doping and size control. <i>RSC Advances</i> , 2015, 5, 16302-16310.	3.6	27
30	An Effective Two-Emulsion Approach to the Synthesis of Doped ZnS Crystalline Nanostructures. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 706-714.	2.0	13
31	Transition Metal Manganites Prepared by a Green and Low-Temperature Wet Chemistry Route, Investigated by XPS. <i>Surface Science Spectra</i> , 2015, 22, 1-20.	1.3	6
32	Pursuing the Crystallization of Mono- and Polymetallic Nanosized Crystalline Inorganic Compounds by Low-Temperature Wet-Chemistry and Colloidal Routes. <i>Chemical Reviews</i> , 2015, 115, 11449-11502.	47.7	55
33	Hierarchically Organized Silica-Titania Monoliths Prepared under Purely Aqueous Conditions. <i>Chemistry - A European Journal</i> , 2014, 20, 17409-17419.	3.3	9
34	Simple, common but functional: biocompatible and luminescent rare-earth doped magnesium and calcium hydroxides from miniemulsion. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6639-6651.	5.8	10
35	Inorganic chemistry in a nanoreactor: Au/TiO ₂ nanocomposites by photolysis of a single-source precursor in miniemulsion. <i>Nanoscale</i> , 2013, 5, 10534.	5.6	21
36	Inorganic Chemistry in a Nanoreactor: Doped ZnO Nanostructures by Miniemulsion. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2291-2300.	2.0	19

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37	Sol-gel processes at the droplet interface: hydrous zirconia and hafnia nanocapsules by interfacial inorganic polycondensation. <i>Journal of Materials Chemistry</i> , 2012, 22, 5622.	6.7	20
38	Miniemulsions as chemical nanoreactors for the room temperature synthesis of inorganic crystalline nanostructures: ZnO colloids. <i>Journal of Materials Chemistry</i> , 2012, 22, 1620-1626.	6.7	40
39	Tin(IV) Oxide Coatings from Hybrid Organotin/Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4292-4298.	8.0	11