

Marion Giraud

List of Publications by Year in descending order

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28
papers

1,408
citations

471509

17
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501196

28
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28
all docs

28
docs citations

28
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	The polyol process: a unique method for easy access to metal nanoparticles with tailored sizes, shapes and compositions. <i>Chemical Society Reviews</i> , 2018, 47, 5187-5233.	38.1	390
2	Bioinspired Iron Sulfide Nanoparticles for Cheap and Long-Lived Electrocatalytic Molecular Hydrogen Evolution in Neutral Water. <i>ACS Catalysis</i> , 2014, 4, 681-687.	11.2	164
3	Low-Cost Nanostructured Iron Sulfide Electrocatalysts for PEM Water Electrolysis. <i>ACS Catalysis</i> , 2016, 6, 2626-2631.	11.2	105
4	Efficient Sensitization of Lanthanide Luminescence by Tetrazole-Based Polydentate Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 3952-3954.	4.0	89
5	Structural and Photophysical Studies of Highly Stable Lanthanide Complexes of Tripodal 8-Hydroxyquinolate Ligands Based on 1,4,7-Triazacyclononane. <i>Inorganic Chemistry</i> , 2009, 48, 4207-4218.	4.0	80
6	Hierarchically Structured Ultraporous Iridium-Based Materials: A Novel Catalyst Architecture for Proton Exchange Membrane Water Electrolyzers. <i>Advanced Energy Materials</i> , 2019, 9, 1802136.	19.5	72
7	Multiscale Approach of Photochromism: Synthesis and Photochromic Properties of a Diarylethene in Solution, in Nanoparticles, and in Bulk Crystals. <i>Advanced Materials</i> , 2009, 21, 309-313.	21.0	70
8	The origin of the high electrochemical activity of pseudo-amorphous iridium oxides. <i>Nature Communications</i> , 2021, 12, 3935.	12.8	56
9	Dithiazolyethene-based molecular switches for nonlinear optical properties and fluorescence: synthesis, crystal structure and ligating properties. <i>Journal of Materials Chemistry</i> , 2007, 17, 4414.	6.7	53
10	Synthesis and photochromism of two new 1,2-bis(thiazolyl)perfluorocyclopentenes with chelating sites. <i>New Journal of Chemistry</i> , 2005, 29, 439-446.	2.8	46
11	Control of the anisotropic shape of cobalt nanorods in the liquid phase: from experiment to theory and back. <i>Nanoscale</i> , 2014, 6, 2682.	5.6	39
12	Photoswitching in diarylethene nanoparticles, a trade-off between bulk solid and solution: towards balanced photochromic and fluorescent properties. <i>New Journal of Chemistry</i> , 2009, 33, 1420.	2.8	37
13	Nanodiffusion in electrocatalytic films. <i>Nature Materials</i> , 2017, 16, 1016-1021.	27.5	34
14	One-Pot Seed-Mediated Growth of Co Nanoparticles by the Polyol Process: Unraveling the Heterogeneous Nucleation. <i>Nano Letters</i> , 2019, 19, 9160-9169.	9.1	25
15	pH-dependence on HER electrocatalytic activity of iron sulfide pyrite nanoparticles. <i>Electrochemistry Communications</i> , 2018, 91, 10-14.	4.7	24
16	Unsupported shaped cobalt nanoparticles as efficient and recyclable catalysts for the solvent-free acceptorless dehydrogenation of alcohols. <i>Catalysis Science and Technology</i> , 2018, 8, 562-572.	4.1	20
17	Electrochemical Active Surface Area Determination of Iridium-Based Mixed Oxides by Mercury Underpotential Deposition. <i>ChemElectroChem</i> , 2021, 8, 3519-3524.	3.4	17
18	Photo-controlled release and uptake of Cu(hfac) ₂ in solution for a binuclear copper complex with a photochromic dithiazolyethene bridging ligand. <i>New Journal of Chemistry</i> , 2009, 33, 1380.	2.8	16

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19	Importance of the decoration in shaped cobalt nanoparticles in the acceptor-less secondary alcohol dehydrogenation. <i>Catalysis Science and Technology</i> , 2020, 10, 4923-4937.	4.1	14
20	Aerosol synthesis of thermally stable porous noble metals and alloys by using bi-functional templates. <i>Materials Horizons</i> , 2020, 7, 541-550.	12.2	13
21	Photoluminescent properties of new quantum dot nanoparticles/carbon nanotubes hybrid structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 138-144.	4.7	10
22	Impact of noble-metals on the catalytic stability of cobalt nanoparticles for the acceptorless dehydrogenation of alcohols. <i>Catalysis Today</i> , 2019, 333, 97-104.	4.4	9
23	On the importance of the crystalline surface structure on the catalytic activity and stability of tailored unsupported cobalt nanoparticles for the solvent-free acceptor-less alcohol dehydrogenation. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 165-175.	9.4	9
24	Easy and efficient tuning of the photochromic properties of 1,2-bis[5- ϵ^2 -methyl-2- ϵ^2 -(2- ϵ^3 -pyridyl)thiazolyl]perfluorocyclopentene. <i>Tetrahedron Letters</i> , 2009, 50, 1485-1489.	1.4	5
25	Determination of the rate of a fast exchanging coordinated molecule in a lanthanide(iii) complex by proton NMR. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5817.	2.8	4
26	Hollow Iridium-Based Catalysts for the Oxygen Evolution Reaction in Proton Exchange Membrane Water Electrolyzers. <i>ECS Transactions</i> , 2017, 80, 1077-1084.	0.5	3
27	Co ϵ^2 -Ru Nanoalloy Catalysts for the Acceptorless Dehydrogenation of Alcohols. <i>ACS Applied Nano Materials</i> , 2022, 5, 5733-5744.	5.0	3
28	Porous Electrocatalysts: Hierarchically Structured Ultraporous Iridium-Based Materials: A Novel Catalyst Architecture for Proton Exchange Membrane Water Electrolyzers (<i>Adv. Energy Mater.</i>)	10	37