

Clara Pereira

List of Publications by Year in descending order

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62
papers

2,530
citations

172207

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h-index

197535

49
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64
all docs

64
docs citations

64
times ranked

4053
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic MFe_2O_4 (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. <i>Chemistry of Materials</i> , 2012, 24, 1496-1504.	3.2	446
2	Designing Novel Hybrid Materials by One-Pot Co-condensation: From Hydrophobic Mesoporous Silica Nanoparticles to Superamphiphobic Cotton Textiles. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2289-2299.	4.0	147
3	Superparamagnetic $\gamma\text{-Fe}_2\text{O}_3@SiO_2$ nanoparticles: a novel support for the immobilization of $[VO(acac)_2]$. <i>Dalton Transactions</i> , 2010, 39, 2842.	1.6	109
4	Novel electrochemical sensor based on N-doped carbon nanotubes and Fe_3O_4 nanoparticles: Simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 207-213.	5.0	99
5	$MnFe_2O_4@CNT-N$ as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 128-136.	4.0	83
6	Physicochemical characterization of organosilylated halloysite clay nanotubes. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 145-154.	2.2	79
7	Vanadyl acetylacetonate anchored onto amine-functionalised clays and catalytic activity in the epoxidation of geraniol. <i>Journal of Molecular Catalysis A</i> , 2008, 283, 5-14.	4.8	76
8	Metallo(salen) complexes as versatile building blocks for the fabrication of molecular materials and devices with tuned properties. <i>Coordination Chemistry Reviews</i> , 2019, 394, 104-134.	9.5	74
9	Photocatalytic degradation of Reactive Black 5 with TiO_2 -coated magnetic nanoparticles. <i>Catalysis Today</i> , 2013, 209, 116-121.	2.2	69
10	Copper acetylacetonate anchored onto amine-functionalised clays. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 570-579.	5.0	67
11	Gold-supported magnetically recyclable nanocatalysts: a sustainable solution for the reduction of 4-nitrophenol in water. <i>RSC Advances</i> , 2015, 5, 5131-5141.	1.7	60
12	Designing heterogeneous oxovanadium and copper acetylacetonate catalysts: Effect of covalent immobilisation in epoxidation and aziridination reactions. <i>Journal of Molecular Catalysis A</i> , 2009, 312, 53-64.	4.8	59
13	Epoxidation of olefins catalyzed by manganese(III) salen complexes grafted to porous heterostructured clays. <i>Applied Clay Science</i> , 2011, 53, 195-203.	2.6	55
14	Understanding the silylation reaction of multi-walled carbon nanotubes. <i>Carbon</i> , 2011, 49, 3441-3453.	5.4	55
15	Screen-Printed Photochromic Textiles through New Inks Based on $SiO_2@naphthopyran$ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28935-28945.	4.0	53
16	Grafting of vanadyl acetylacetonate onto organo-hexagonal mesoporous silica and catalytic activity in the allylic epoxidation of geraniol. <i>Polyhedron</i> , 2009, 28, 994-1000.	1.0	52
17	Tailored design of $Co_xMn_{1-x}Fe_2O_4$ nanoferrites: a new route for dual control of size and magnetic properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5818-5828.	2.7	52
18	$[VO(acac)_2]$ hybrid catalyst: from complex immobilization onto silica nanoparticles to catalytic application in the epoxidation of geraniol. <i>Catalysis Science and Technology</i> , 2011, 1, 784.	2.1	51

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19	Highly Monodisperse Fe ₃ O ₄ @Au Superparamagnetic Nanoparticles as Reproducible Platform for Genosensing Genetically Modified Organisms. ACS Sensors, 2016, 1, 1044-1053.	4.0	49
20	Alkene epoxidation by manganese(III) complexes immobilized onto nanostructured carbon CMK-3. Catalysis Today, 2013, 203, 103-110.	2.2	45
21	Printed Flexible 1/4-Thermoelectric Device Based on Hybrid Bi ₂ Te ₃ /PVA Composites. ACS Applied Materials & Interfaces, 2019, 11, 8969-8981.	4.0	42
22	Architected design of superparamagnetic Fe ₃ O ₄ nanoparticles for application as MRI contrast agents: mastering size and magnetism for enhanced relaxivity. Journal of Materials Chemistry B, 2015, 3, 6261-6273.	2.9	39
23	Unravelling the effect of interparticle interactions and surface spin canting in γ -Fe ₂ O ₃ @SiO ₂ superparamagnetic nanoparticles. Journal of Applied Physics, 2011, 109, .	1.1	38
24	Oxidovanadium(IV) acetylacetonate immobilized onto CMK-3 for heterogeneous epoxidation of geraniol. Microporous and Mesoporous Materials, 2012, 160, 67-74.	2.2	37
25	Functionalization of textiles with multi-walled carbon nanotubes by a novel dyeing-like process. Journal of Materials Science, 2012, 47, 5263-5275.	1.7	36
26	Naphthopyran-Based Silica Nanoparticles as New High-Performance Photoresponsive Materials. ACS Applied Materials & Interfaces, 2016, 8, 7221-7231.	4.0	34
27	Multifunctional Ferrite Nanoparticles: From Current Trends Toward the Future. , 2018, , 59-116.		34
28	Silica nanoparticles functionalized with a thermochromic dye for textile applications. Journal of Materials Science, 2013, 48, 5085-5092.	1.7	32
29	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosan-Based Nanocatalyst for Nitroarenes Reduction. ChemCatChem, 2017, 9, 3930-3941.	1.8	31
30	L-serine-functionalized montmorillonite decorated with Au nanoparticles: A new highly efficient catalyst for the reduction of 4-nitrophenol. Journal of Catalysis, 2018, 361, 143-155.	3.1	31
31	Green oxidation catalysis with metal complexes: from bulk to nano recyclable hybrid catalysts. Catalysis, 2012, , 116-203.	0.6	30
32	Light driven PVDF fibers based on photochromic nanosilica@naphthopyran fabricated by wet spinning. Applied Surface Science, 2019, 470, 951-958.	3.1	28
33	Gold nanoparticles decorated on Bingel-thiol functionalized multiwall carbon nanotubes as an efficient and robust catalyst. Applied Catalysis A: General, 2014, 486, 150-158.	2.2	27
34	Electrochemical genoassays on gold-coated magnetic nanoparticles to quantify genetically modified organisms (GMOs) in food and feed as GMO percentage. Biosensors and Bioelectronics, 2018, 110, 147-154.	5.3	26
35	Multifunctional mixed valence N-doped CNT@MFe ₂ O ₄ hybrid nanomaterials: from engineered one-pot coprecipitation to application in energy storage paper supercapacitors. Nanoscale, 2018, 10, 12820-12840.	2.8	26
36	Photochromic polypropylene fibers based on UV-responsive silica@phosphomolybdate nanoparticles through melt spinning technology. Chemical Engineering Journal, 2018, 350, 856-866.	6.6	24

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37	Hybrid layer-by-layer films based on lanthanide-bridged silicotungstates and poly(ethylenimine). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 302-309.	2.3	21
38	Fabrication of all-solid-state textile supercapacitors based on industrial-grade multi-walled carbon nanotubes for enhanced energy storage. <i>Journal of Materials Science</i> , 2020, 55, 10121-10141.	1.7	20
39	Au/Ag nanoparticles-decorated TiO ₂ with enhanced catalytic activity for nitroarenes reduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126614.	2.3	19
40	Efficient immobilization of montmorillonite onto cotton textiles through their functionalization with organosilanes. <i>Applied Clay Science</i> , 2014, 101, 304-314.	2.6	18
41	Lanthano phosphomolybdate-decorated silica nanoparticles: novel hybrid materials with photochromic properties. <i>Dalton Transactions</i> , 2015, 44, 4582-4593.	1.6	15
42	Hybrid dual-function thermal energy harvesting and storage technologies: towards self-chargeable flexible/wearable devices. <i>Dalton Transactions</i> , 2021, 50, 9983-10013.	1.6	13
43	Fe ₃ O ₄ @Au nanoparticles-based magnetoplatform for the HMGA maize endogenous gene electrochemical genosensing. <i>Talanta</i> , 2020, 206, 120220.	2.9	12
44	An Interdigital Planar Energy Harvesting/Storage Device Based On an Ionic Solidâ€“Gel Polymer. <i>ACS Applied Electronic Materials</i> , 2021, 3, 696-703.	2.0	12
45	Oxidovanadium(IV) Complexes of 3-Hydroxy-4-pyrone and 3-Hydroxy-4-pyridinone Ligands: A New Generation of Homogeneous Catalysts for the Epoxidation of Geraniol. <i>Catalysis Letters</i> , 2010, 135, 98-104.	1.4	11
46	Nanoengineered textiles: from advanced functional nanomaterials to groundbreaking high-performance clothing. , 2020, , 611-714.		11
47	Solar Light-Induced Methylene Blue Removal over TiO ₂ /AC Composites and Photocatalytic Regeneration. <i>Nanomaterials</i> , 2021, 11, 3016.	1.9	11
48	Magnetically recyclable mesoporous iron oxideâ€“silica materials for the degradation of acetaminophen in water under mild conditions. <i>Polyhedron</i> , 2016, 106, 125-131.	1.0	10
49	Influence of ceria distribution on the redox behaviour of nanoparticulated CeO ₂ â€“SiO ₂ systems with application in catalysis. <i>Surface and Interface Analysis</i> , 2014, 46, 712-715.	0.8	8
50	l-Serine functionalized clays: Preparation and characterization. <i>Polyhedron</i> , 2015, 102, 121-129.	1.0	8
51	A novel generation of hybrid photochromic vinylidene-naphthofuran silica nanoparticles through fine-tuning of surface chemistry. <i>Dalton Transactions</i> , 2017, 46, 9076-9087.	1.6	7
52	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. <i>Carbon Trends</i> , 2021, 5, 100137.	1.4	7
53	Automatized and desktop AC-susceptometer for the in situ and real time monitoring of magnetic nanoparticlesâ€™ synthesis by coprecipitation. <i>Review of Scientific Instruments</i> , 2015, 86, 043904.	0.6	6
54	Hydrothermal Carbon/Carbon Nanotube Composites as Electrocatalysts for the Oxygen Reduction Reaction. <i>Journal of Composites Science</i> , 2020, 4, 20.	1.4	6

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55	Electrical conductivity of LTA-zeolite in the presence of poly(vinyl alcohol) and poly(vinyl Tj ETQq1 1 0.784314 rgBJ /Overlock 10 Tf 50	1.6	5
56	Design of electromagnetic shielding textiles based on industrial-grade multiwalled carbon nanotubes and graphene nanoplatelets by dip-coating dry process. Physica Status Solidi (A) Applications and Materials Science, 0, , .	0.8	4
57	Chronoamperometric magnetogenosensing for simultaneous detection of two Roundup Ready soybean lines: GTS 40-3-2 and MON89788. Sensors and Actuators B: Chemical, 2019, 283, 262-268.	4.0	3
58	CNT-based Materials as Electrodes for Flexible Supercapacitors. U Porto Journal of Engineering, 2021, 7, 151-162.	0.2	3
59	Smart dual-functional energy storage/fluorescent textile device based on a new redox-active Mn-doped ZnS solid-gel electrolyte. Chemical Engineering Journal, 2021, 426, 131274.	6.6	2
60	Recent Advances in Functional Thermoelectric Materials for Printed Electronics. , 2021, , 79-122.		0
61	Supported Vanadium Catalysts: Heterogeneous Molecular Complexes, Electrocatalysis and Biomass Transformation. RSC Catalysis Series, 2020, , 241-284.	0.1	0
62	Scalable Flexible Electromagnetic Interference Shielding Textiles Based on MWCNTs and PEDOT:PSS. Solid State Phenomena, 0, 333, 161-169.	0.3	0