Clara Pereira

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Superparamagnetic MFe ₂ O ₄ (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. Chemistry of Materials, 2012, 24, 1496-1504.	6.7	446
2	Designing Novel Hybrid Materials by One-Pot Co-condensation: From Hydrophobic Mesoporous Silica Nanoparticles to Superamphiphobic Cotton Textiles. ACS Applied Materials & Interfaces, 2011, 3, 2289-2299.	8.0	147
3	Superparamagnetic γ-Fe2O3@SiO2 nanoparticles: a novel support for the immobilization of [VO(acac)2]. Dalton Transactions, 2010, 39, 2842.	3.3	109
4	Novel electrochemical sensor based on N-doped carbon nanotubes and Fe3O4 nanoparticles: Simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. Journal of Colloid and Interface Science, 2014, 432, 207-213.	9.4	99
5	MnFe2O4@CNT-N as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. Sensors and Actuators B: Chemical, 2015, 218, 128-136.	7.8	83
6	Physicochemical characterization of organosilylated halloysite clay nanotubes. Microporous and Mesoporous Materials, 2016, 219, 145-154.	4.4	79
7	Vanadyl acetylacetonate anchored onto amine-functionalised clays and catalytic activity in the epoxidation of geraniol. Journal of Molecular Catalysis A, 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. Coordination Chemistry Reviews, 2019, 394, 104-134.	18.8	74
9	Photocatalytic degradation of Reactive Black 5 with TiO2-coated magnetic nanoparticles. Catalysis Today, 2013, 209, 116-121.	4.4	69
10	Copper acetylacetonate anchored onto amine-functionalised clays. Journal of Colloid and Interface Science, 2007, 316, 570-579.	9.4	67
11	Gold-supported magnetically recyclable nanocatalysts: a sustainable solution for the reduction of 4-nitrophenol in water. RSC Advances, 2015, 5, 5131-5141.	3.6	60
12	Designing heterogeneous oxovanadium and copper acetylacetonate catalysts: Effect of covalent immobilisation in epoxidation and aziridination reactions. Journal of Molecular Catalysis A, 2009, 312, 53-64.	4.8	59
13	Epoxidation of olefins catalyzed by manganese(III) salen complexes grafted to porous heterostructured clays. Applied Clay Science, 2011, 53, 195-203.	5.2	55
14	Understanding the silylation reaction of multi-walled carbon nanotubes. Carbon, 2011, 49, 3441-3453.	10.3	55
15	Screen-Printed Photochromic Textiles through New Inks Based on SiO ₂ @naphthopyran Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 28935-28945.	8.0	53
16	Grafting of vanadyl acetylacetonate onto organo-hexagonal mesoporous silica and catalytic activity in the allylic epoxidation of geraniol. Polyhedron, 2009, 28, 994-1000.	2.2	52
17	Tailored design of Co _x Mn _{1â^*x} Fe ₂ O ₄ nanoferrites: a new route for dual control of size and magnetic properties. Journal of Materials Chemistry C, 2014, 2, 5818-5828.	5.5	52
18	[VO(acac)2] hybrid catalyst: from complex immobilization onto silica nanoparticles to catalytic application in the epoxidation of geraniol. Catalysis Science and Technology, 2011, 1, 784.	4.1	51

CLARA PEREIRA

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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.	7.8	49
20	Alkene epoxidation by manganese(III) complexes immobilized onto nanostructured carbon CMK-3. Catalysis Today, 2013, 203, 103-110.	4.4	45
21	Printed Flexible μ-Thermoelectric Device Based on Hybrid Bi ₂ Te ₃ /PVA Composites. ACS Applied Materials & Interfaces, 2019, 11, 8969-8981.	8.0	42
22	Architectured 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.	5.8	39
23	Unravelling the effect of interparticle interactions and surface spin canting in <i>γ</i> -Fe2O3@SiO2 superparamagnetic nanoparticles. Journal of Applied Physics, 2011, 109, .	2.5	38
24	Oxidovanadium(IV) acetylacetonate immobilized onto CMK-3 for heterogeneous epoxidation of geraniol. Microporous and Mesoporous Materials, 2012, 160, 67-74.	4.4	37
25	Functionalization of textiles with multi-walled carbon nanotubes by a novel dyeing-like process. Journal of Materials Science, 2012, 47, 5263-5275.	3.7	36
26	Naphthopyran-Based Silica Nanoparticles as New High-Performance Photoresponsive Materials. ACS Applied Materials & Interfaces, 2016, 8, 7221-7231.	8.0	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.	3.7	32
29	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosanâ€Based Nanocatalyst for Nitroarenes Reduction. ChemCatChem, 2017, 9, 3930-3941.	3.7	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.	6.2	31
31	Green oxidation catalysis with metal complexes: from bulk to nano recyclable hybrid catalysts. Catalysis, 2012, , 116-203.	1.0	30
32	Light driven PVDF fibers based on photochromic nanosilica@naphthopyran fabricated by wet spinning. Applied Surface Science, 2019, 470, 951-958.	6.1	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.	4.3	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.	10.1	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.	5.6	26
36	Photochromic polypropylene fibers based on UV-responsive silica@phosphomolybdate nanoparticles through melt spinning technology. Chemical Engineering Journal, 2018, 350, 856-866.	12.7	24

CLARA PEREIRA

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37	Hybrid layer-by-layer films based on lanthanide-bridged silicotungstates and poly(ethylenimine). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 302-309.	4.7	21
38	Fabrication of all-solid-state textile supercapacitors based on industrial-grade multi-walled carbon nanotubes for enhanced energy storage. Journal of Materials Science, 2020, 55, 10121-10141.	3.7	20
39	Au/Ag nanoparticles-decorated TiO2 with enhanced catalytic activity for nitroarenes reduction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 621, 126614.	4.7	19
40	Efficient immobilization of montmorillonite onto cotton textiles through their functionalization with organosilanes. Applied Clay Science, 2014, 101, 304-314.	5.2	18
41	Lanthano phosphomolybdate-decorated silica nanoparticles: novel hybrid materials with photochromic properties. Dalton Transactions, 2015, 44, 4582-4593.	3.3	15
42	Hybrid dual-function thermal energy harvesting and storage technologies: towards self-chargeable flexible/wearable devices. Dalton Transactions, 2021, 50, 9983-10013.	3.3	13
43	Fe3O4@Au nanoparticles-based magnetoplatform for the HMGA maize endogenous gene electrochemical genosensing. Talanta, 2020, 206, 120220.	5.5	12
44	An Interdigital Planar Energy Harvesting/Storage Device Based On an Ionic Solid–Gel Polymer. ACS Applied Electronic Materials, 2021, 3, 696-703.	4.3	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. Catalysis Letters, 2010, 135, 98-104.	2.6	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 TiO2/AC Composites and Photocatalytic Regeneration. Nanomaterials, 2021, 11, 3016.	4.1	11
48	Magnetically recyclable mesoporous iron oxide–silica materials for the degradation of acetaminophen in water under mild conditions. Polyhedron, 2016, 106, 125-131.	2.2	10
49	Influence of ceria distribution on the redox behaviour of nanoparticulated CeO ₂ â€6iO ₂ systems with application in catalysis. Surface and Interface Analysis, 2014, 46, 712-715.	1.8	8
50	l-Serine functionalized clays: Preparation and characterization. Polyhedron, 2015, 102, 121-129.	2.2	8
51	A novel generation of hybrid photochromic vinylidene-naphthofuran silica nanoparticles through fine-tuning of surface chemistry. Dalton Transactions, 2017, 46, 9076-9087.	3.3	7
52	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. Carbon Trends, 2021, 5, 100137.	3.0	7
53	Automatized and desktop AC-susceptometer for the in situ and real time monitoring of magnetic nanoparticles' synthesis by coprecipitation. Review of Scientific Instruments, 2015, 86, 043904.	1.3	6
54	Hydrothermal Carbon/Carbon Nanotube Composites as Electrocatalysts for the Oxygen Reduction Reaction. Journal of Composites Science, 2020, 4, 20.	3.0	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 r	gBŢ /Over	lock 10 Tf 50
56	Design of electromagnetic shielding textiles based on industrialâ€grade multiwalled carbon nanotubes and graphene nanoplatelets by dipâ€padâ€dry process. Physica Status Solidi (A) Applications and Materials Science, 0, , .	1.8	4
57	Chronoamperometric magnetogenosensing for simultaneous detection of two Roundup Readyâ,,¢ soybean lines: GTS 40-3-2 and MON89788. Sensors and Actuators B: Chemical, 2019, 283, 262-268.	7.8	3
58	CNT-based Materials as Electrodes for Flexible Supercapacitors. U Porto Journal of Engineering, 2021, 7, 151-162.	0.4	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.	12.7	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