

Liane Marcia Rossi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

5,626
citations

41
h-index

71
g-index

153
ext. papers

6,228
ext. citations

5.5
avg, IF

5.85
L-index

#	Paper	IF	Citations
134	Palladium-catalyzed sabinene oxidation with hydrogen peroxide: Smart fragrance production and DFT insights. <i>Molecular Catalysis</i> , 2022 , 517, 112033	3.3	0
133	Women in Green Chemistry and Engineering: Agents of Change Toward the Achievement of a Sustainable Future. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2859-2862	8.3	
132	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 16528-16530	8.3	0
131	Enhancing the activity of gold supported catalysts by oxide coating: towards efficient oxidations. <i>Green Chemistry</i> , 2021 , 23, 8453-8457	10	1
130	Optimizing Active Sites for High CO Selectivity during CO Hydrogenation over Supported Nickel Catalysts. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4268-4280	16.4	24
129	Magnetically Recoverable Nanoparticle Catalysts 2021 , 159-181		1
128	Immobilization of Rh(I)-N-Xantphos and Fe(II)-C-Scorpionate onto Magnetic Nanoparticles: Reusable Catalytic System for Sequential Hydroformylation/Acetalization. <i>Catalysts</i> , 2021 , 11, 608	4	1
127	Riboflavin Surface Modification of Poly(vinyl chloride) for Light-Triggered Control of Bacterial Biofilm and Virus Inactivation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32251-32262	9.5	0
126	Fe ₃ O ₄ nanoparticles and Rhizobium inoculation enhance nodulation, nitrogen fixation and growth of common bean plants grown in soil. <i>Rhizosphere</i> , 2021 , 17, 100275	3.5	10
125	Process Optimization for a Sustainable and Selective Conversion of Fumaric Acid into γ -Butyrolactone Over Pd-Re/SiO ₂ . <i>Catalysis Letters</i> , 2021 , 151, 1821-1833	2.8	2
124	Clean protocol for deoxygenation of epoxides to alkenes via catalytic hydrogenation using gold. <i>Catalysis Science and Technology</i> , 2021 , 11, 312-318	5.5	1
123	Towards the Effect of Pt ₀ /Pt δ and Ce ³⁺ Species at the Surface of CeO ₂ Crystals: Understanding the Nature of the Interactions under CO Oxidation Conditions. <i>ChemCatChem</i> , 2021 , 13, 1340-1354	5.2	7
122	Selective CO ₂ hydrogenation into methanol in a supercritical flow process. <i>Journal of CO₂ Utilization</i> , 2020 , 40, 101195	7.6	12
121	Enhanced Energy Storage of Fe ₃ O ₄ Nanoparticles Embedded in N-Doped Graphene. <i>ChemElectroChem</i> , 2020 , 7, 1456-1464	4.3	5
120	Gold-amine cooperative catalysis for reductions and reductive aminations using formic acid as hydrogen source. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118728	21.8	10
119	Structure and activity of supported bimetallic NiPd nanoparticles: influence of preparation method on CO ₂ reduction. <i>ChemCatChem</i> , 2020 , 12, 2967-2976	5.2	8
118	Efficient Oxidative Esterification of Furfural Using Au Nanoparticles Supported on Group 2 Alkaline Earth Metal Oxides. <i>Catalysts</i> , 2020 , 10, 430	4	5

117	5-Hydroxymethylfurfural and Furfural Base-Free Oxidation over AuPd Embedded Bimetallic Nanoparticles. <i>Catalysts</i> , 2020 , 10, 75	4	7
116	Piperazine-promoted gold-catalyzed hydrogenation: the influence of capping ligands. <i>Catalysis Science and Technology</i> , 2020 , 10, 1996-2003	5.5	8
115	Hydrogenation of carbon dioxide: From waste to value. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 26, 100386	7.9	4
114	Tuning the selectivity of phenol hydrogenation using Pd, Rh and Ru nanoparticles supported on ceria- and titania-modified silicas. <i>Catalysis Today</i> , 2020 , 381, 126-126	5.3	2
113	Reusable Heterogeneous Tungstophosphoric Acid-Derived Catalyst for Green Esterification of Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15874-15883	8.3	13
112	Restructuring of Gold-Palladium Alloyed Nanoparticles: A Step towards More Active Catalysts for Oxidation of Alcohols. <i>ChemCatChem</i> , 2019 , 11, 4021-4027	5.2	4
111	Impact of Fe ₃ O ₄ nanoparticle on nutrient accumulation in common bean plants grown in soil. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	11
110	A recyclable hybrid manganese(III) porphyrin magnetic catalyst for selective olefin epoxidation using molecular oxygen. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018 , 22, 331-341	1.8	14
109	Hybrid Metalloporphyrin Magnetic Nanoparticles as Catalysts for Sequential Transformation of Alkenes and CO ₂ into Cyclic Carbonates. <i>ChemCatChem</i> , 2018 , 10, 2792-2803	5.2	26
108	The role and fate of capping ligands in colloiddally prepared metal nanoparticle catalysts. <i>Dalton Transactions</i> , 2018 , 47, 5889-5915	4.3	150
107	Reaction Pathway Dependence in Plasmonic Catalysis: Hydrogenation as a Model Molecular Transformation. <i>Chemistry - A European Journal</i> , 2018 , 24, 12330-12339	4.8	18
106	Accessing Frustrated Lewis Pair Chemistry through Robust Gold@N-Doped Carbon for Selective Hydrogenation of Alkynes. <i>ACS Catalysis</i> , 2018 , 8, 3516-3524	13.1	66
105	Separation technology meets green chemistry: development of magnetically recoverable catalyst supports containing silica, ceria, and titania. <i>Pure and Applied Chemistry</i> , 2018 , 90, 133-141	2.1	8
104	Bioinspired-Metalloporphyrin Magnetic Nanocomposite as a Reusable Catalyst for Synthesis of Diastereomeric (-)-Isopulegol Epoxide: Anticancer Activity Against Human Osteosarcoma Cells (MG-63). <i>Molecules</i> , 2018 , 24,	4.8	5
103	Synergic Effect of Copper and Palladium for Selective Hydrogenation of Alkynes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 16209-16216	3.9	14
102	Controlling Reaction Selectivity over Hybrid Plasmonic Nanocatalysts. <i>Nano Letters</i> , 2018 , 18, 7289-7297	11.5	57
101	Influence of Support Basic Sites in Green Oxidation of Biobased Substrates Using Au-Promoted Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16332-16340	8.3	39
100	Temperature-Driven Restructuring of Silver on AuAg Porous Nanotubes: Impact on CO Oxidation. <i>ChemistrySelect</i> , 2017 , 2, 660-664	1.8	4

99	Selective hydrogenation of CO ₂ into CO on a highly dispersed nickel catalyst obtained by magnetron sputtering deposition: A step towards liquid fuels. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 240-246	21.8	53
98	Economically attractive route for the preparation of high quality magnetic nanoparticles by the thermal decomposition of iron(III) acetylacetonate. <i>Nanotechnology</i> , 2017 , 28, 115603	3.4	34
97	Surface composition and structural changes on titanium oxide-supported AuPd nanoparticles during CO oxidation. <i>Catalysis Science and Technology</i> , 2017 , 7, 1679-1689	5.5	13
96	Gold-Ligand-Catalyzed Selective Hydrogenation of Alkynes into cis-Alkenes via H ₂ Heterolytic Activation by Frustrated Lewis Pairs. <i>ACS Catalysis</i> , 2017 , 7, 2973-2980	13.1	79
95	Facile recycling approach for waste minimization of silica-coated magnetite nanoparticles synthesis. <i>Separation Science and Technology</i> , 2017 , 52, 504-511	2.5	3
94	One-pot organometallic synthesis of alumina-embedded Pd nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 14318-14324	4.3	1
93	Tuning the Catalytic Activity and Selectivity of Pd Nanoparticles Using Ligand-Modified Supports and Surfaces. <i>ACS Omega</i> , 2017 , 2, 6014-6022	3.9	31
92	Study of the influence of PPh ₃ used as capping ligand or as reaction modifier for hydroformylation reaction involving Rh NPs as precatalyst. <i>Applied Catalysis A: General</i> , 2017 , 548, 136-142	5.1	9
91	Magnetically recoverable copper oxide catalysts for aerobic allylic oxidation of cyclohexene. <i>Journal of Molecular Catalysis A</i> , 2017 , 426, 534-541		22
90	Advances in Base-Free Oxidation of Bio-Based Compounds on Supported Gold Catalysts. <i>Catalysts</i> , 2017 , 7, 352	4	32
89	Polymer versus phosphine stabilized Rh nanoparticles as components of supported catalysts: implication in the hydrogenation of cyclohexene model molecule. <i>Dalton Transactions</i> , 2016 , 45, 17782-17791	4.3	17
88	Selective oxidation of glucose to glucuronic acid by cesium-promoted gold nanoparticle catalyst. <i>Journal of Molecular Catalysis A</i> , 2016 , 422, 35-42		42
87	Oxidation of benzyl alcohol catalyzed by gold nanoparticles under alkaline conditions: weak vs. strong bases. <i>RSC Advances</i> , 2016 , 6, 25279-25285	3.7	43
86	Biologically Inspired and Magnetically Recoverable Copper Porphyrinic Catalysts: A Greener Approach for Oxidation of Hydrocarbons with Molecular Oxygen. <i>Advanced Functional Materials</i> , 2016 , 26, 3359-3368	15.6	23
85	Support Functionalization with a Phosphine-Containing Hyperbranched Polymer: A Strategy to Enhance Phosphine Grafting and Metal Loading in a Hydroformylation Catalyst. <i>ChemCatChem</i> , 2016 , 8, 1951-1960	5.2	11
84	The influence of 1,2-alkanediol on the crystallinity of magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 417, 49-55	2.8	5
83	Cost-efficient method for unsymmetrical meso-aryl porphyrins and iron oxide-porphyrin hybrids prepared thereof. <i>Dalton Transactions</i> , 2016 , 45, 16211-16220	4.3	9
82	Tracking iron oxide nanoparticles in plant organs using magnetic measurements. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	24

81	Catalytic oxidation of cinnamyl alcohol using Au-Ag nanotubes investigated by surface-enhanced Raman spectroscopy. <i>Nanoscale</i> , 2015 , 7, 8536-43	7.7	19
80	A green route for the synthesis of a bitter-taste dipeptide combining biocatalysis, heterogeneous metal catalysis and magnetic nanoparticles. <i>RSC Advances</i> , 2015 , 5, 36449-36455	3.7	9
79	Easy Access to Metallic Copper Nanoparticles with High Activity and Stability for CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7987-94	9.5	60
78	Rhodium Nanoparticles as Precursors for the Preparation of an Efficient and Recyclable Hydroformylation Catalyst. <i>ChemCatChem</i> , 2015 , 7, 1566-1572	5.2	17
77	Electro-oxidation of methanol in alkaline conditions using PdNi nanoparticles prepared from organometallic precursors and supported on carbon vulcan. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	12
76	Gold nanoparticles supported on magnesium ferrite and magnesium oxide for the selective oxidation of benzyl alcohol. <i>RSC Advances</i> , 2015 , 5, 15035-15041	3.7	22
75	Volcano-like behavior of Au-Pd core-shell nanoparticles in the selective oxidation of alcohols. <i>Scientific Reports</i> , 2014 , 4, 5766	4.9	62
74	Palladium on magnetite: magnetically recoverable catalyst for selective hydrogenation of acetylenic to olefinic compounds. <i>Tetrahedron</i> , 2014 , 70, 3314-3318	2.4	22
73	Copper nanoparticles synthesized by thermal decomposition in liquid phase: the influence of capping ligands on the synthesis and bactericidal activity. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	17
72	Synthesis, properties, and application in peptide chemistry of a magnetically separable and reusable biocatalyst. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	5
71	A recoverable Pd nanocatalyst for selective semi-hydrogenation of alkynes: hydrogenation of benzyl-propargylamines as a challenging model. <i>Green Chemistry</i> , 2014 , 16, 4566-4574	10	20
70	Insights into the active surface species formed on Ta ₂ O ₅ nanotubes in the catalytic oxidation of CO. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5755-62	3.6	62
69	Organometallic Preparation of Ni, Pd, and NiPd Nanoparticles for the Design of Supported Nanocatalysts. <i>ACS Catalysis</i> , 2014 , 4, 1735-1742	13.1	41
68	Effect of lipid coating on the interaction between silica nanoparticles and membranes. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 519-28	4	16
67	Magnetic nanomaterials in catalysis: advanced catalysts for magnetic separation and beyond. <i>Green Chemistry</i> , 2014 , 16, 2906	10	426
66	Catalytic abatement of CO over highly stable Pt supported on Ta ₂ O ₅ nanotubes. <i>Catalysis Communications</i> , 2014 , 48, 50-54	3.2	11
65	Size dependence of the magnetic relaxation and specific power absorption in iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	32
64	Screening of Soluble Rhodium Nanoparticles as Precursor for Highly Active Hydrogenation Catalysts: The Effect of the Stabilizing Agents. <i>Topics in Catalysis</i> , 2013 , 56, 1228-1238	2.3	25

63	Nanocatalysts for the Suzuki Coupling Reactions 2013 , 51-88		1
62	Taking advantage of a terpyridine ligand for the deposition of Pd nanoparticles onto a magnetic material for selective hydrogenation reactions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1441-1449	13	31
61	Magnetically recoverable AuPd nanoparticles prepared by a coordination capture method as a reusable catalyst for green oxidation of benzyl alcohol. <i>Catalysis Science and Technology</i> , 2013 , 3, 2993	5.5	31
60	Heat generation in agglomerated ferrite nanoparticles in an alternating magnetic field. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 045002	3	55
59	Magnetic nanocatalysts: supported metal nanoparticles for catalytic applications. <i>Nanotechnology Reviews</i> , 2013 , 2, 597-614	6.3	50
58	Magnetic ionic liquids produced by the dispersion of magnetic nanoparticles in 1-n-butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide (BMI.NTF2). <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5458-65	9.5	22
57	Synthesis of supported metal nanoparticle catalysts using ligand assisted methods. <i>Nanoscale</i> , 2012 , 4, 5826-34	7.7	71
56	Moving from surfactant-stabilized aqueous rhodium (0) colloidal suspension to heterogeneous magnetite-supported rhodium nanocatalysts: Synthesis, characterization and catalytic performance in hydrogenation reactions. <i>Catalysis Today</i> , 2012 , 183, 124-129	5.3	26
55	Design of a dinuclear nickel(II) bioinspired hydrolase to bind covalently to silica surfaces: synthesis, magnetism, and reactivity studies. <i>Inorganic Chemistry</i> , 2012 , 51, 6104-15	5.1	18
54	Green Synthesis and Applications of Magnetic Nanoparticles 2012 , 61		
53	Recent advances in the development of magnetically recoverable metal nanoparticle catalysts. <i>Journal of the Brazilian Chemical Society</i> , 2012 ,	1.5	8
52	Direct Access to Oxidation-Resistant Nickel Catalysts through an Organometallic Precursor. <i>ACS Catalysis</i> , 2012 , 2, 925-929	13.1	20
51	Catalyst Recovery and Recycling Facilitated by Magnetic Separation: Iridium and Other Metal Nanoparticles. <i>ChemCatChem</i> , 2012 , 4, 698-703	5.2	40
50	Ionic liquids as recycling solvents for the synthesis of magnetic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13558-64	3.6	22
49	Structural control of gold nanoparticles self-assemblies by layer-by-layer process. <i>Nanoscale</i> , 2011 , 3, 1717-23	7.7	11
48	Aerobic oxidation of monoterpenic alcohols catalyzed by ruthenium hydroxide supported on silica-coated magnetic nanoparticles. <i>Journal of Catalysis</i> , 2011 , 282, 209-214	7.3	57
47	Selective Allylic oxidation of Cyclohexene by a Magnetically Recoverable Cobalt Oxide Catalyst. <i>Catalysis Letters</i> , 2011 , 141, 432-437	2.8	26
46	On the stabilization of gold nanoparticles over silica-based magnetic supports modified with organosilanes. <i>Chemistry - A European Journal</i> , 2011 , 17, 4626-31	4.8	31

45	Enhancement of hematoporphyrin IX potential for photodynamic therapy by entrapment in silica nanospheres. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 14946-52	3.6	8
44	Sensing of 2,4-dichlorophenoxyacetic acid by surface-enhanced Raman scattering. <i>Vibrational Spectroscopy</i> , 2010 , 54, 133-136	2.1	9
43	Surface effects in the magnetic properties of crystalline 3 nm ferrite nanoparticles chemically synthesized. <i>Journal of Applied Physics</i> , 2010 , 108, 103919	2.5	38
42	High performance magnetic separation of gold nanoparticles for catalytic oxidation of alcohols. <i>Green Chemistry</i> , 2010 , 12, 144-149	10	127
41	Heterodinuclear Fe(III)Zn(II)-bioinspired complex supported on 3-aminopropyl silica. Efficient hydrolysis of phosphate diester bonds. <i>Inorganic Chemistry</i> , 2010 , 49, 2580-2	5.1	45
40	In-field Mössbauer characterization of MFe ₂ O ₄ (M = Fe, Co, Ni) nanoparticles. <i>Journal of Physics: Conference Series</i> , 2010 , 217, 012126	0.3	7
39	Nanoparticle platform to modulate reaction mechanism of phenothiazine photosensitizers. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3100-8	1.3	16
38	Magnetic properties of Fe ₃ O ₄ nanoparticles coated with oleic and dodecanoic acids. <i>Journal of Applied Physics</i> , 2010 , 107, 073913	2.5	68
37	A single-step procedure for the preparation of palladium nanoparticles and a phosphine-functionalized support as catalyst for Suzuki cross-coupling reactions. <i>Journal of Catalysis</i> , 2010 , 276, 382-389	7.3	90
36	Catalytic hydrodechlorination of chlorobenzene over supported palladium catalyst in buffered medium. <i>Applied Catalysis B: Environmental</i> , 2010 , 100, 42-46	21.8	13
35	Ruthenium nanoparticles prepared from ruthenium dioxide precursor: Highly active catalyst for hydrogenation of arenes under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2009 , 298, 69-73		61
34	Preparation of recoverable Ru catalysts for liquid-phase oxidation and hydrogenation reactions. <i>Applied Catalysis A: General</i> , 2009 , 360, 177-182	5.1	75
33	On the catalytic hydrogenation of polycyclic aromatic hydrocarbons into less toxic compounds by a facile recoverable catalyst. <i>Applied Catalysis B: Environmental</i> , 2009 , 90, 688-692	21.8	33
32	Magnetic Fluids Based on Fe ₂ O ₃ and CoFe ₂ O ₄ Nanoparticles Dispersed in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8566-8572	3.8	66
31	Preparation of supported Pt(0) nanoparticles as efficient recyclable catalysts for hydrogenation of alkenes and ketones. <i>Catalysis Communications</i> , 2009 , 10, 1971-1974	3.2	51
30	Clean preparation of methyl esters in one-step oxidative esterification of primary alcohols catalyzed by supported gold nanoparticles. <i>Green Chemistry</i> , 2009 , 11, 1366	10	113
29	Ligand-assisted preparation of palladium supported nanoparticles: a step toward size control. <i>Inorganic Chemistry</i> , 2009 , 48, 4640-2	5.1	77
28	High performance gold nanorods and silver nanocubes in surface-enhanced Raman spectroscopy of pesticides. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7491-8	3.6	62

27	Magnetic Hyperthermia With Fe ₃ O ₄ Nanoparticles: The Influence of Particle Size on Energy Absorption. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4444-4447	2	81
26	Protoporphyrin IX nanoparticle carrier: preparation, optical properties, and singlet oxygen generation. <i>Langmuir</i> , 2008 , 24, 12534-8	4	130
25	Preparation and Characterization of the Novels Terpolymers of Poly-{trans-[RuCl ₂ (vpy) ₄]-styrene-divinylbenzene} and Styrene-divinylbenzene-vinylpyridine impregnated with Silver Nanoparticles. <i>Polymer Bulletin</i> , 2008 , 60, 809-819	2.4	6
24	Ion dependence of magnetic anisotropy in MFe ₂ O ₄ (MFe, Co, Mn) nanoparticles synthesized by high-temperature reaction. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e335-e338	2.8	19
23	Recoverable rhodium nanoparticles: Synthesis, characterization and catalytic performance in hydrogenation reactions. <i>Applied Catalysis A: General</i> , 2008 , 338, 52-57	5.1	185
22	Superparamagnetic nanoparticle-supported palladium: a highly stable magnetically recoverable and reusable catalyst for hydrogenation reactions. <i>Green Chemistry</i> , 2007 , 9, 379	10	140
21	A magnetically recoverable scavenger for palladium based on thiol-modified magnetite nanoparticles. <i>Applied Catalysis A: General</i> , 2007 , 330, 139-144	5.1	65
20	Third-order nonlinearity of nickel oxide nanoparticles in toluene. <i>Optics Letters</i> , 2007 , 32, 1435-7	3	18
19	Methylene blue-containing silica-coated magnetic particles: a potential magnetic carrier for photodynamic therapy. <i>Langmuir</i> , 2007 , 23, 8194-9	4	185
18	Characterization of poly-{trans-[RuCl ₂ (vpy) ₄]-styrene-4-vinylpyridine} impregnated with silver nanoparticles in non aqueous medium. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1679-1682	1.5	6
17	Fluorescent silica nanospheres for digital counting bioassay of the breast cancer marker HER2/neu [correction of HER2/nue]. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1900-6	11.8	37
16	Stober synthesis of monodispersed luminescent silica nanoparticles for bioanalytical assays. <i>Langmuir</i> , 2005 , 21, 4277-80	4	246
15	Synthesis, structure and properties of unsymmetrical alkoxo-dicopper(II) complexes: biological relevance to phosphodiester and DNA cleavage and cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2005 , 358, 1807-1822	2.7	62
14	Ruthenium dioxide nanoparticles in ionic liquids: synthesis, characterization and catalytic properties in hydrogenation of olefins and arenes. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 901-910	1.5	55
13	On the Use of Ruthenium Dioxide in 1-n-Butyl-3-Methylimidazolium Ionic Liquids as Catalyst Precursor for Hydrogenation Reactions. <i>Catalysis Letters</i> , 2004 , 92, 149-155	2.8	62
12	Glucose oxidase-magnetite nanoparticle bioconjugate for glucose sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 606-13	4.4	260
11	The partial hydrogenation of benzene to cyclohexene by nanoscale ruthenium catalysts in imidazolium ionic liquids. <i>Chemistry - A European Journal</i> , 2004 , 10, 3734-40	4.8	218
10	Nanocomposite particles containing semiconductor and magnetic nanocrystals: fabrication and characterization 2004 ,		1

9	Synthesis, structure and properties of a new unsymmetric tetranuclear mixed-valence vanadium(IV/V) complex containing distinct V ₂ O ₃ ³⁺ cores. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 418-421	3.1	14
8	Resonance Raman and crystallographic studies on the complex [Fe ₂ (bbpnoI) ₂] ²⁺ DMF (bbpnoI=N,N'-bis(2-hydroxybenzyl)-2-ol-1,3-propanediamine). <i>Inorganica Chimica Acta</i> , 2002 , 329, 141-146	2.7	12
7	Hydrolytic activity of a dinuclear copper(II,II) complex in phosphate diester and DNA cleavage. <i>Inorganica Chimica Acta</i> , 2002 , 337, 366-370	2.7	69
6	Catecholase activity of a series of dicopper(II) complexes with variable Cu-OH(phenol) moieties. <i>Inorganic Chemistry</i> , 2002 , 41, 1788-94	5.1	248
5	Synthesis, Structure, Physicochemical Properties and Catecholase-like Activity of a New Dicopper(II) Complex. <i>Journal of the Brazilian Chemical Society</i> , 2001 , 12, 747	1.5	41
4	A new bis(alkoxo) diiron(III) complex and its implications regarding the number of Fe(III)-phenolate bonds and the redox potential in uteroferrin. <i>Dalton Transactions RSC</i> , 2000 , 707-712		28
3	Synthesis, structure and properties of the first dinuclear copper(II) complex as a structural model for the phenolic intermediate in tyrosinase-resolase activity. <i>Inorganic Chemistry Communication</i> , 1999 , 2, 334-337	3.1	32
2	Crystal structure, spectral and magnetic properties of a new (acetate) (alkoxide) dicopper (II) complex as a model for tyrosinase. <i>Inorganica Chimica Acta</i> , 1998 , 281, 111-115	2.7	34
1	Tuning CO ₂ Hydrogenation Selectivity by N-Doped Carbon Coating over Nickel Nanoparticles Supported on SiO ₂ . <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	1