

Paolo Sgarbossa

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83
papers

1,803
citations

22
h-index

40
g-index

98
ext. papers

2,027
ext. citations

4.7
avg, IF

4.52
L-index

#	Paper	IF	Citations
83	Halogen bonding in metal-organic-supramolecular networks. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 677-695	23.2	310
82	Supramolecular control on chemo- and regioselectivity via encapsulation of (NHC)-Au catalyst within a hexameric self-assembled host. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2848-51	16.4	172
81	The Baeyer-Villiger oxidation of ketones: A paradigm for the role of soft Lewis acidity in homogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 646-660	23.2	95
80	Asymmetric epoxidation of terminal alkenes with hydrogen peroxide catalyzed by pentafluorophenyl Pt(II) complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14006-7	16.4	86
79	Highly Active and Selective Platinum(II)-Catalyzed Isomerization of Allylbenzenes: Efficient Access to (E)-Anethole and Other Fragrances via Unusual Agostic Intermediates. <i>Organometallics</i> , 2010 , 29, 1487-1497	3.8	73
78	Catalytic asymmetric Baeyer-Villiger oxidation in water by using Pt(II) catalysts and hydrogen peroxide: supramolecular control of enantioselectivity. <i>Chemistry - A European Journal</i> , 2009 , 15, 7930-9	4.8	69
77	Regioselectivity and diastereoselectivity in Pt(II)-mediated "green" catalytic epoxidation of terminal alkenes with hydrogen peroxide: mechanistic insight into a peculiar substrate selectivity. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7680-9	16.4	69
76	Platinum(II) Diphosphinamine Complexes for the Efficient Hydration of Alkynes in Micellar Media. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1095-1104	5.6	49
75	Interplay between Structural and Dielectric Features of New Low k Hybrid Organic-Organometallic Supramolecular Ribbons. <i>Crystal Growth and Design</i> , 2012 , 12, 297-305	3.5	46
74	The Staudinger reaction of platinum(II)- and palladium(II)-coordinated 2-(azidomethyl)phenyl isocyanide. X-ray structure of trans-[PtCl{(H)}(PPh ₃) ₂][BF ₄][CDCl ₃][H ₂ O]. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 454-462	2.3	40
73	N-heterocyclic carbenes from transition metal coordinated functional isocyanides of the type o-(CH ₂) ₆ H ₄ NC (Y = OSiMe ₃ , OH; N ₃ ; AsR ₃ ⁺). <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 5414-5420	2.3	38
72	Chemistry and biological activity of platinum amidine complexes. <i>ChemMedChem</i> , 2011 , 6, 1172-83	3.7	37
71	Synthesis of Ferrofluids Made of Iron Oxide Nanoflowers: Interplay between Carrier Fluid and Magnetic Properties. <i>Nanomaterials</i> , 2017 , 7,	5.4	33
70	Polysaccharide hydrogels for multiscale 3D printing of pullulan scaffolds. <i>Materials and Design</i> , 2019 , 165, 107566	8.1	32
69	Synthesis, characterization and cytotoxic activity of novel copper(II) complexes with aroylhydrazone derivatives of 2-Oxo-1,2-dihydrobenzo[h]quinoline-3-carbaldehyde. <i>Journal of Inorganic Biochemistry</i> , 2018 , 182, 18-28	4.2	28
68	Baeyer-Villiger Oxidation of Ketones Catalyzed by Platinum(II) Lewis Acid Complexes Containing Coordinated Electron-Poor Fluorinated Diphosphines. <i>Organometallics</i> , 2005 , 24, 1012-1017	3.8	28
67	Discriminating halogen-bonding from other noncovalent interactions by a combined NOE NMR/DFT approach. <i>Chemistry - A European Journal</i> , 2015 , 21, 440-7	4.8	27

66	Second-Generation Electron-Poor Platinum(II) Complexes as Efficient Epoxidation Catalysts for Terminal Alkenes with Hydrogen Peroxide. <i>Organometallics</i> , 2006 , 25, 3056-3062	3.8	27
65	Platinum(II) Complexes with Novel Diisocyanide Ligands: Catalysts in Alkyne Hydroarylation. <i>Organometallics</i> , 2013 , 32, 7153-7162	3.8	24
64	Platinum(II) Complexes with Coordinated Electron-Withdrawing Fluoroalkyl and Fluoroaryl Ligands: Synthesis, Reactivity, and Catalytic Activity. <i>Organometallics</i> , 2012 , 31, 1257-1270	3.8	23
63	Metal complexes with di(N-heterocyclic carbene) ligands bearing a rigid ortho-, meta or para-phenylene bridge. <i>Dalton Transactions</i> , 2016 , 45, 9540-52	4.3	23
62	Cs ₃ Bi ₂ I ₉ /g-C ₃ N ₄ as a new binary photocatalyst for efficient visible-light photocatalytic processes. <i>Separation and Purification Technology</i> , 2020 , 251, 117320	8.3	22
61	Optimal inductor design for nanofluid heating characterisation. <i>Engineering Computations</i> , 2015 , 32, 1870-1892	1.4	22
60	Magnetic hyperthermia efficiency and (1)H-NMR relaxation properties of iron oxide/paclitaxel-loaded PLGA nanoparticles. <i>Nanotechnology</i> , 2016 , 27, 285104	3.4	20
59	Platinum(II) diphosphine complexes as catalysts for the Baeyer-Villiger oxidation of ketones: Is it possible to increase the concentration of the active species?. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3230-3236	2.7	20
58	Synthesis, crystal structure, DNA and protein binding studies of novel binuclear Pd(II) complex of 6-methoxy-2-oxo-1,2-dihydroquinoline-3-carbaldehyde-4(N,N)-dimethylthiosemicarbazone. <i>Journal of Inorganic Biochemistry</i> , 2016 , 155, 1-8	4.2	19
57	Transition metal coordination and reactivity of 2-(azidomethyl)-, 2-(chloromethyl)- and 2-(iodomethyl)phenyl isocyanides. <i>Inorganica Chimica Acta</i> , 2003 , 356, 349-356	2.7	19
56	Mechanism of magnetic heating in Mn-doped magnetite nanoparticles and the role of intertwined structural and magnetic properties. <i>Nanoscale</i> , 2019 , 11, 10896-10910	7.7	18
55	Steric Effects in the Baeyer-Villiger Oxidation of Ketones Catalyzed by Platinum(II) Lewis Acid Complexes with Coordinated Electron-Donor Alkyl Diphosphines. <i>Organometallics</i> , 2007 , 26, 2714-2719	3.8	17
54	Low toxicity and unprecedented anti-osteoclast activity of a simple sulfur-containing gem-bisphosphonate: a comparative study. <i>European Journal of Medicinal Chemistry</i> , 2013 , 65, 448-55	6.8	16
53	Preparation of smart nano-engineered electrospun membranes for methanol gas-phase photooxidation. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 216-222	21.8	15
52	Green Catalytic Baeyer-Villiger Oxidation with Hydrogen Peroxide in Water Mediated by PtII Catalysts. <i>ChemCatChem</i> , 2010 , 2, 1296-1302	5.2	15
51	Organonickel complexes encumbering bis-imidazolylidene carbene ligands: Synthesis, X-ray structure and catalytic insights on Buchwald-Hartwig amination reactions. <i>Journal of Organometallic Chemistry</i> , 2017 , 831, 1-10	2.3	13
50	Novel imino thioether complexes of platinum(II): synthesis, structural investigation, and biological activity. <i>Inorganic Chemistry</i> , 2013 , 52, 5729-41	5.1	13
49	Bioliquids from raw waste animal fats: an alternative renewable energy source. <i>Biomass Conversion and Biorefinery</i> , 2020 , 11, 1475	2.3	12

48	Electric field computation and measurements in the electroporation of inhomogeneous samples. <i>Open Physics</i> , 2017 , 15, 790-796	1.3	12
47	Synthesis, characterization and Baeyer-Villiger oxidation of ketones by the bis-cationic platinum(II) complex [Pt(EOH)(Pom-Pom)] ₂ [BF ₄] ₂ [Pom-Pom=(OMe) ₂ PCH ₂ CH ₂ P(OMe) ₂]. <i>Journal of Molecular Catalysis A</i> , 2007 , 261, 202-206		12
46	Lewis acidic complexes of platinum(II): a mechanistic study of the Baeyer-Villiger oxidation of methylcyclohexanone with hydrogen peroxide catalyzed by [(triphosPO)Pt] ²⁺ species. <i>Catalysis Today</i> , 2005 , 99, 227-232	5.3	12
45	Multifunctional Cu ²⁺ -montmorillonite/epoxy resin nanocomposites with antibacterial activity. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	11
44	Synthesis and transition metal coordination of 2-(azidomethyl) phenyl isocyanide. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 915-918	3.1	11
43	Bis-phosphine monoxide platinum(II) and palladium(II) cationic complexes as Lewis acid catalysts in Diels-Alder and sulfoxidation reactions. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 3659-3666	2.3	10
42	Cell-seeded 3D scaffolds as in vitro models for electroporation. <i>Bioelectrochemistry</i> , 2019 , 125, 15-24	5.6	10
41	Synthesis, Characterization and Biological Activity of Novel Cu(II) Complexes of 6-Methyl-2-Oxo-1,2-Dihydroquinoline-3-Carbaldehyde-4n-Substituted Thiosemicarbazones. <i>Molecules</i> , 2020 , 25,	4.8	9
40	Lewis acidity of platinum(II)-based Baeyer-Villiger catalysts: An electrochemical approach. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3247-3253	2.7	9
39	Recent Developments in Understanding Biochar's Physical Chemistry. <i>Agronomy</i> , 2021 , 11, 615	3.6	9
38	Synthesis and cyclization reactions of platinum(II)-coordinated arsonium-substituted phenyl isocyanides, o-(R ₃ As+CH ₂)C ₆ H ₄ N=C. <i>Inorganica Chimica Acta</i> , 2004 , 357, 3385-3389	2.7	8
37	Storage potential and residual emissions from fresh and stabilized waste samples from a landfill simulation experiment. <i>Waste Management</i> , 2018 , 75, 372-383	8.6	7
36	Possible Synthetic Approaches for Heterobimetallic Complexes by Using NHC/NHC Heteroditopic Carbene Ligands. <i>Molecules</i> , 2019 , 24,	4.8	7
35	Activated Carbon from Spent Coffee Grounds: A Good Competitor of Commercial Carbons for Water Decontamination. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5598	2.6	7
34	Coordination chemistry of gold with N-phosphine oxide-substituted imidazolylidenes (POxIms). <i>New Journal of Chemistry</i> , 2019 , 43, 17275-17283	3.6	7
33	Pt(II) nitrile complexes: New insights on old complexes from a combined experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2017 , 455, 489-504	2.7	6
32	Iron oxide/PLGA nanoparticles for magnetically controlled drug release. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017 , 53, S53-S60	0.4	5
31	Chemical-physical and mineralogical characterization of ceramic raw materials from Moroccan northern regions: Intriguing resources for industrial applications. <i>Applied Clay Science</i> , 2019 , 182, 105274	5.2	5

30	Palladium(II) Complexes with N-Phosphine Oxide-Substituted Imidazolylidenes (PoxIm)s: Coordination Chemistry and Catalysis. <i>Organometallics</i> , 2019 , 38, 2298-2306	3.8	5
29	Effect of Tissue Inhomogeneity in Soft Tissue Sarcomas: From Real Cases to Numerical and Experimental Models. <i>Technology in Cancer Research and Treatment</i> , 2018 , 17, 1533033818789693	2.7	5
28	Inhibition of Proliferation of HeLa Cells by Pulsed Electric Field Treated Mentha piperita (Mint) Extract. <i>IETE Journal of Research</i> , 2019 , 1-11	0.9	4
27	New light on an old debate: does the RCN-PtCl bond include any back-donation? RCN \leftarrow -PtCl backbonding vs. the IR blue-shift dichotomy in organonitriles-platinum(ii) complexes. A thorough density functional theory - energy decomposition analysis study. <i>Dalton Transactions</i> , 2019 , 48, 12974-12985	4.3	4
26	Microwave-assisted synthesis of isosorbide-derived diols for the preparation of thermally stable thermoplastic polyurethane. <i>Designed Monomers and Polymers</i> , 2017 , 20, 547-563	3.1	4
25	Novel cationic dinuclear β -methallylpalladium complexes containing N,N'-donor bridging ligands: Synthesis, characterization and crystal structure. <i>Journal of Organometallic Chemistry</i> , 2016 , 819, 255-259	3.3	4
24	A Novel 3D Scaffold for Cell Growth to Assess Electroporation Efficacy. <i>Cells</i> , 2019 , 8,	7.9	4
23	Glassy Magnetic Behavior and Correlation Length in Nanogranular Fe-Oxide and Au/Fe-Oxide Samples. <i>Materials</i> , 2019 , 12,	3.5	4
22	Pentafluorophenyl Platinum(II) Complexes of PTA and its N-Allyl and N-Benzyl Derivatives: Synthesis, Characterization and Biological Activity. <i>Materials</i> , 2019 , 12,	3.5	4
21	Mesoporous zirconia nanoparticles as drug delivery systems: Drug loading, stability and release. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102189	4.5	4
20	Chemistry for Audio Heritage Preservation: A Review of Analytical Techniques for Audio Magnetic Tapes. <i>Heritage</i> , 2019 , 2, 1551-1587	1.6	3
19	Dipolar Magnetic Interactions in Mn-Doped Magnetite Nanoparticles Loaded into PLGA Nanocapsules for Nanomedicine Applications. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30007-30020	3.8	3
18	Synthesis, Characterization and Application of Iron Oxide Magnetic Nanoparticles for Magneto Fluid Hyperthermia Therapy. <i>IFMBE Proceedings</i> , 2015 , 329-332	0.2	3
17	Tyrosinase Immobilized Zein Nanofibrous Matrix as a Green and Recyclable Material for Biodegradation of Azo Dyes. <i>Fibers and Polymers</i> , 2021 , 22, 2714	2	3
16	Multifunctional Epoxy/Nanocomposites Based on Natural Moroccan Clays with High Antimicrobial Activity: Morphological, Thermal and Mechanical Properties. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-12	3.2	3
15	Electrical resistance in inhomogeneous samples during electroporation 2017 ,		2
14	Formation of N-coordinated 4H-benzo[d][1,3]oxazine from 2-(trimethylsilyloxymethyl)- and 2-(hydroxymethyl)-phenyl isocyanides promoted by dirhodium(II) acetate. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 407-409	3.1	2
13	Inorganic-Organic Hybrid Anion Conducting Membranes Based on Ammonium-Functionalized Polyethylene Pyrrole-Polyethylene Ketone Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2100409	2.6	2

12	Time Domain Nuclear Magnetic Resonance (TD-NMR) to evaluate the effect of potato cell membrane electroporation. <i>Innovative Food Science and Emerging Technologies</i> , 2020 , 65, 102456	6.8	2
11	Production of Porous Ceramic Materials from Spent Fluorescent Lamps. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6056	2.6	2
10	A DFT mechanistic study of the synthesis of trans-Z,Z-[PtII(Cl)(NH ₃){HN=C(NH ₂)Me} ₂]Cl from addition of NH ₃ to trans-[PtII(Cl) ₂ (N CMe) ₂]. <i>Inorganica Chimica Acta</i> , 2020 , 511, 119847	2.7	1
9	A case of chemical scalp burns after hair highlights: experimental evidence of oxidative injuries. <i>Cutaneous and Ocular Toxicology</i> , 2016 , 35, 332-6	1.8	1
8	Multi-objective design of a magnetic fluid hyperthermia device 2015 ,		1
7	Synthesis and Biological Studies on Dinuclear Gold(I) Complexes with Di-(-Heterocyclic Carbene) Ligands Functionalized with Carbohydrates. <i>Molecules</i> , 2020 , 25,	4.8	1
6	Novel Correlations between Spectroscopic and Morphological Properties of Activated Carbons from Waste Coffee Grounds. <i>Processes</i> , 2021 , 9, 1637	2.9	1
5	Triphenylene based metal-pyridine cages. <i>Tetrahedron Letters</i> , 2019 , 60, 151202	2	0
4	Synthesis of metal-free functionalized g-C ₃ N ₄ nanosheets for enhanced photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106389	6.8	0
3	Biomedical Application of Fe-Mn Oxide Nanoparticles. <i>IFMBE Proceedings</i> , 2021 , 198-207	0.2	
2	Electric field distribution study in inhomogeneous biological tissues. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2699	1	
1	Magnetic hyperthermia efficiency of Mn doped Fe oxides particles loaded into PLGA. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2020 , 63, S123-S129	0.4	