

# Gabriele Balducci

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,373  
citations

471509

17  
h-index

315739

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2747  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable $\alpha$ -In-Chain and $\beta$ -At the End of the Branches Methyl Acrylate Incorporation in the Polyolefin Skeleton through Pd(II) Catalysis. <i>ACS Catalysis</i> , 2022, 12, 3430-3443.	11.2	12
2	Computational NEXAFS Characterization of Molecular Model Systems for 2D Boroxine Frameworks. <i>Nanomaterials</i> , 2022, 12, 1610.	4.1	1
3	Stereoisomeric Control in [RuCl <sub>2</sub> (PTA) <sub>2</sub> (2L)] Complexes (2L=2py or bpy): From Theoretical Calculations to a 2+2 Metallacycle of Pyridylporphyrins. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 321-334.	2.0	0
4	cis-Locked Ru(II)-DMSO Precursors for the Microwave-Assisted Synthesis of Bis-Heteroleptic Polypyridyl Compounds. <i>Inorganic Chemistry</i> , 2021, 60, 7180-7195.	4.0	3
5	Ruthenium(II) 1,4,7-trithiacyclononane complexes of curcumin and bisdemethoxycurcumin: Synthesis, characterization, and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111387.	3.5	5
6	A Flexible Synthetic Strategy for the Preparation of Heteroleptic Metallacycles of Porphyrins. <i>Inorganic Chemistry</i> , 2021, 60, 11503-11513.	4.0	1
7	Investigating the reactivity of neutral water-soluble Ru(II)-PTA carbonyls towards the model imine ligands pyridine and 2,2'-bipyridine. <i>RSC Advances</i> , 2020, 10, 26717-26727.	3.6	2
8	Pd-Catalyzed CO/Vinyl Arene Copolymerization: when the Stereochemistry is Controlled by the Comonomer. <i>Macromolecules</i> , 2020, 53, 7783-7794.	4.8	10
9	Orthogonal Coordination Chemistry of PTA toward Ru(II) and Zn(II) (PTA =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (1,3,5-Networks. <i>Inorganic Chemistry</i> , 2020, 59, 4068-4079.	4.0	6
10	Palladium-Catalyzed Ethylene/Methyl Acrylate Copolymerization: Moving from the Acenaphthene to the Phenanthrene Skeleton of $\beta$ -Diimine Ligands. <i>Organometallics</i> , 2019, 38, 3498-3511.	2.3	34
11	Rare Example of Stereoisomeric 2 + 2 Metallacycles of Porphyrins Featuring Chiral-at-Metal Octahedral Ruthenium Corners. <i>Inorganic Chemistry</i> , 2019, 58, 7357-7367.	4.0	5
12	Ru(II)-Peptide bioconjugates with the cppH linker (cppH =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (2-(2'-pyridyl)py stereochemical features between organic and aqueous solvents. <i>Dalton Transactions</i> , 2019, 48, 400-414.	3.3	8
13	Photolabile Ru Model Complexes with Chelating Diimine Ligands for Light-Triggered Drug Release. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1447-1447.	2.0	0
14	Photolabile Ru Model Complexes with Chelating Diimine Ligands for Light-Triggered Drug Release. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1469-1480.	2.0	10
15	Water-Soluble Ruthenium(II) Carbonyls with 1,3,5-Triaza-7-phosphadamantane. <i>Inorganic Chemistry</i> , 2018, 57, 6991-7005.	4.0	13
16	Electronic properties of the boroxine-gold interface: evidence of ultra-fast charge delocalization. <i>Chemical Science</i> , 2017, 8, 3789-3798.	7.4	18
17	Palladium-Catalyzed Ethylene/Methyl Acrylate Co-Oligomerization: The Effect of a New Nonsymmetrical $\beta$ -Diimine with the 1,4-Diazabutadiene Skeleton. <i>ChemCatChem</i> , 2017, 9, 3402-3411.	3.7	24
18	Synthesis of hyperbranched low molecular weight polyethylene oils by an iminopyridine nickel catalyst. <i>Polymer Chemistry</i> , 2017, 8, 6443-6454.	3.9	37

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19	Neutral 1,3,5-Triaza-7-phosphaadamantane-Ruthenium(II) Complexes as Precursors for the Preparation of Highly Water-Soluble Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2850-2860.	2.0	16
20	Chemistry of the Methylamine Termination at a Gold Surface: From Autorecognition to Condensation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6104-6115.	3.1	8
21	Structural and photophysical characterization of a tin(IV) porphyrin-rhenium(I)(diimine) conjugate. <i>Inorganica Chimica Acta</i> , 2016, 439, 61-68.	2.4	10
22	New Insight into a Deceptively Simple Reaction: The Coordination of bpy to Ru <sup>II</sup> -Carbonyl Precursors – The Central Role of the $\{Ru(bpy)Cl(CO)_3\}^+$ Intermediate and the Chloride Rebound Mechanism. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4296-4311.	2.0	13
23	Computational Study of Amino Mediated Molecular Interaction Evidenced in N 1s NEXAFS: 1,4-Diaminobenzene on Au (111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 1988-1995.	3.1	9
24	<sup>15</sup> N NMR spectroscopy unambiguously establishes the coordination mode of the diimine linker 2-(2-pyridyl)pyrimidine-4-carboxylic acid (cppH) in Ru complexes. <i>Dalton Transactions</i> , 2015, 44, 15671-15682.	3.3	9
25	Analogies and Differences in Palladium-Catalyzed CO/Styrene and Ethylene/Methyl Acrylate Copolymerization Reactions. <i>ChemCatChem</i> , 2014, 6, 2403-2418.	3.7	22
26	New Cationic and Neutral Ru(II)- and Os(II)-dmsO carbonyl Compounds. <i>Inorganic Chemistry</i> , 2013, 52, 12120-12130.	4.0	13
27	Photolabile Ru <sup>II</sup> -Half-Sandwich Complexes Suitable for Developing ‘Caged’ Compounds: Chemical Investigation and Unexpected Dinuclear Species with Bridging Diamine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4743-4753.	2.0	7
28	Interaction of Hydrogen with Cerium Oxide Surfaces: a Quantum Mechanical Computational Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19380-19385.	2.6	85
29	Taming multiple valency with density functionals: A case study of defective ceria. <i>Physical Review B</i> , 2005, 71, .	3.2	383
30	Electronic and Atomistic Structures of Clean and Reduced Ceria Surfaces. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22860-22867.	2.6	358
31	Reply to ‘Comment on ‘Taming multiple valency with density functionals: A case study of defective ceria’’. <i>Physical Review B</i> , 2005, 72, .	3.2	177
32	Reduction Process in CeO <sub>2</sub> -MO and CeO <sub>2</sub> -M <sub>2</sub> O <sub>3</sub> Mixed Oxides: A Computer Simulation Study. <i>Chemistry of Materials</i> , 2003, 15, 3781-3785.	6.7	82
33	Bulk Reduction and Oxygen Migration in the Ceria-Based Oxides. <i>Chemistry of Materials</i> , 2000, 12, 677-681.	6.7	157
34	Surface and Reduction Energetics of the CeO <sub>2</sub> -ZrO <sub>2</sub> Catalysts. <i>Journal of Physical Chemistry B</i> , 1998, 102, 557-561.	2.6	208
35	Computer Simulation Studies of Bulk Reduction and Oxygen Migration in CeO <sub>2</sub> -ZrO <sub>2</sub> Solid Solutions. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1750-1753.	2.6	240
36	Metal-loaded CeO <sub>2</sub> -ZrO <sub>2</sub> solid solutions as innovative catalysts for automotive catalytic converters. <i>Catalysis Today</i> , 1996, 29, 47-52.	4.4	85

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37	Electrochemistry of iron(II) porphyrins in the presence of carbon monoxide. Comparison with zinc porphyrins. <i>Inorganic Chemistry</i> , 1994, 33, 1972-1978.	4.0	36
38	Synthesis, molecular structure, and chemical behavior of hydrogen trans-bis(dimethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 Td (sulfate) fully characterized chloride-dimethyl sulfoxide-ruthenium(III) complexes. <i>Inorganic Chemistry</i> , 1991, 30, 609-618.	4.0	196
39	Electronic and Steric Influence of Axial and Equatorial Ligands in Vitamin B12 Model Complexes Derived from Cobaloxime: Electrochemical and <sup>59</sup> Co-NMR Studies. <i>Helvetica Chimica Acta</i> , 1990, 73, 1469-1480.	1.6	41
40	Synthesis and characterization of isomeric binuclear double-bridged alkylidene-tetraphenyldiphosphine and diphenylphosphido-methylenediphenylphosphine iron nitrosyl complexes. <i>Organometallics</i> , 1987, 6, 308-316.	2.3	17
41	Electrochemistry of cobalt mixed Schiff base/oxime chelates. <i>Journal of Organometallic Chemistry</i> , 1987, 330, 185-199.	1.8	12