

# Giuseppe Sciortino

## 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.

62

papers

685

citations

15

h-index

21

g-index

74

ext. papers

1,011

ext. citations

6.1

avg, IF

4.9

L-index

#	Paper	IF	Citations
62	Polyoxidovanadates Interactions with proteins: An overview. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 454, 214344	23.2	12
61	Mo(VI) Potential Metallodrugs: Explaining the Transport and Cytotoxicity by Chemical Transformations.. <i>Inorganic Chemistry</i> , <b>2022</b> ,	5.1	3
60	Catalysis by Metal Organic Cages: A Computational Perspective <b>2022</b> , 271-285		0
59	New mixed ligand oxidovanadium(IV) complexes: Solution behavior, protein interaction and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , <b>2022</b> , 111853	4.2	1
58	Spectroscopic/Computational Characterization and the X-ray Structure of the Adduct of the VO-Picolinato Complex with RNase A. <i>Inorganic Chemistry</i> , <b>2021</b> ,	5.1	3
57	Ferromagnetic Coupling in Oxidovanadium(IV)-Porphyrin Radical Dimers. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16492-16506	5.1	0
56	Rationalizing the Decavanadate(V) and Oxidovanadium(IV) Binding to G-Actin and the Competition with Decaniobate(V) and ATP. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 334-344	5.1	13
55	Dynamic Stereoselection of Peptide Helicates and Their Selective Labeling of DNA Replication Foci in Cells**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8941-8948	3.6	5
54	Dynamic Stereoselection of Peptide Helicates and Their Selective Labeling of DNA Replication Foci in Cells*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8859-8866	16.4	10
53	BioMetAll: Identifying Metal-Binding Sites in Proteins from Backbone Preorganization. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 311-323	6.1	7
52	Covalent and non-covalent binding in vanadium protein adducts. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1189-1196	6.8	9
51	Synthesis and characterization of new Pd(ii) and Pt(ii) complexes with 3-substituted 1-(2-pyridyl)imidazo[1,5-a]pyridine ligands. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4859-4873	4.3	2
50	Copper(II) „-Chelating Complexes as Potential Anticancer Agents. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2939-2952	5.2	5
49	Stereoselective Self-Assembly of DNA Binding Helicates Directed by the Viral Annulus Trimeric Peptide Motif. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 1564-1569	6.3	0
48	Polyoxovanadates with emerging biomedical activities. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 447, 214143.2	43.2	30
47	Binding of vanadium ions and complexes to proteins and enzymes in aqueous solution. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 449, 214192	23.2	10
46	Impact of Cu(II) and Al(III) on the conformational landscape of amyloid Physical Chemistry Chemical Physics, <b>2021</b> , 23, 13023-13032	3.6	1

45	Integrated experimental/computational approaches to characterize the systems formed by vanadium with proteins and enzymes. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1951-1974	6.8	10
44	Biospeciation of Potential Vanadium Drugs of Acetylacetonate in the Presence of Proteins. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 345	5	7
43	Stepwise Oxidations in a Cofacial Copper(II) Porphyrin Dimer: Through-Space Spin-Coupling and Interplay between Metal and Radical Spins. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7869-7880	4.8	7
42	An Artificial Hemoprotein with Inducible Peroxidase- and Monooxygenase-Like Activities. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 14929-14937	4.8	5
41	ESI-MS Study of the Interaction of Potential Oxidovanadium(IV) Drugs and Amavadin with Model Proteins. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9739-9755	5.1	13
40	Catalytic Regioselective Isomerization of 2,2-Disubstituted Oxetanes to Homoallylic Alcohols. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7591-7597	3.6	
39	Catalytic Regioselective Isomerization of 2,2-Disubstituted Oxetanes to Homoallylic Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7521-7527	16.4	7
38	Quantitative prediction of electronic absorption spectra of copper(II)-bioligand systems: Validation and applications. <i>Journal of Inorganic Biochemistry</i> , <b>2020</b> , 204, 110953	4.2	13
37	Chiral Cyclobutane-Containing Cell-Penetrating Peptides as Selective Vectors for Anti- Drug Delivery Systems. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
36	The binding modes of VO ions in blood proteins and enzymes. <i>Chemical Communications</i> , <b>2020</b> , 56, 12218-12221	3.2	10
35	Comparative Mechanistic Study on the [Au(NHC)] <sup>+</sup> -Catalyzed Hydration of Alkynes, Alkenes, and Allenes. <i>Organometallics</i> , <b>2020</b> , 39, 3469-3479	3.8	6
34	New V, VO, VO, and VO Systems: Exploring their Interconversion in Solution, Protein Interactions, and Cytotoxicity. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14042-14057	5.1	18
33	Ambiphilic boryl groups in a neutral Ni(II) complex: a new activation mode of H <sub>2</sub> . <i>Chemical Science</i> , <b>2020</b> , 12, 2540-2548	9.4	3
32	Unveiling V O Binding Modes to Human Serum Albumins by an Integrated Spectroscopic-Computational Approach. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11316-11326	4.8	12
31	Computational insight into the interaction of oxaliplatin with insulin. <i>Metallomics</i> , <b>2019</b> , 11, 765-773	4.5	7
30	Mild Iridium-Catalysed Isomerization of Epoxides. Computational Insights and Application to the Synthesis of $\beta$ -Alkyl Amines. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 3624-3631	5.6	4
29	Interaction of Vanadium(IV) Species with Ubiquitin: A Combined Instrumental and Computational Approach. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8064-8078	5.1	19
28	Effect of secondary interactions, steric hindrance and electric charge on the interaction of VIVO species with proteins. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 17647-17660	3.6	15

27	Integrated ESI-MS/EPR/computational characterization of the binding of metal species to proteins: vanadium drug-hemoglobin application. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1561-1578	6.8	19
26	Through-Space Spin Coupling in a Silver(II) Porphyrin Dimer upon Stepwise Oxidations: Ag <sup>II</sup> Ag <sup>I</sup> , Ag <sup>I</sup> Ag <sup>I</sup> , and Ag <sup>II</sup> Ag <sup>II</sup> Metallophilic Interactions. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10098-10110	4.8	11
25	Studying the reactivity of "old" Cu(II) complexes for "novel" anticancer purposes. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 195, 51-60	4.2	5
24	Simple Coordination Geometry Descriptors Allow to Accurately Predict Metal-Binding Sites in Proteins. <i>ACS Omega</i> , <b>2019</b> , 4, 3726-3731	3.9	10
23	Functionalized Artificial Bidomain Proteins Based on an $\alpha$ -Solenoid Protein Repeat Scaffold: A New Class of Artificial Diels-Alderase. <i>ACS Omega</i> , <b>2019</b> , 4, 4437-4447	3.9	17
22	Integrated Computational Study of the Cu-Catalyzed Hydration of Alkenes in Water Solvent and into the Context of an Artificial Metallohydratase. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4616-4626	13.1	7
21	Through-Space Spin Coupling in a Silver(II) Porphyrin Dimer upon Stepwise Oxidations: Ag <sup>II</sup> Ag <sup>II</sup> , Ag <sup>II</sup> Ag <sup>III</sup> , and Ag <sup>III</sup> Ag <sup>III</sup> Metallophilic Interactions. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10025-10025	4.8	25
20	GPathFinder: Identification of Ligand-Binding Pathways by a Multi-Objective Genetic Algorithm. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	2
19	Chemistry of mixed-ligand oxidovanadium(IV) complexes of aroylhydrazones incorporating quinoline derivatives: Study of solution behavior, theoretical evaluation and protein/DNA interaction. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 199, 110786	4.2	14
18	Bonding rearrangements in organometallic reactions: from orbitals to curly arrows. <i>Dalton Transactions</i> , <b>2019</b> , 48, 15740-15752	4.3	10
17	Validation and Applications of Protein-Ligand Docking Approaches Improved for Metalloligands with Multiple Vacant Sites. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 294-306	5.1	25
16	GARLEEK: Adding an extra flavor to ONIOM. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 381-386	3.5	6
15	Decoding Surface Interaction of VO Metallo-drug Candidates with Lysozyme. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4456-4469	5.1	22
14	Computational Studies of Artificial Metalloenzymes: From Methods and Models to Design and Optimization <b>2018</b> , 99-136		2
13	VO complexes with antibacterial quinolone ligands and their interaction with serum proteins. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2164-2182	4.3	27
12	VIVO and VIV Species Formed in Aqueous Solution by the Tridentate Glutarimidate-Dioxime Ligand: An Instrumental and Computational Characterization. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 1805-1816	2.3	7
11	Prediction of the interaction of metallic moieties with proteins: An update for protein-ligand docking techniques. <i>Journal of Computational Chemistry</i> , <b>2018</b> , 39, 42-51	3.5	44
10	Direct Asymmetric Hydrogenation of N-Methyl and N-Alkyl Imines with an Ir(III)H Catalyst. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16967-16970	16.4	36

9	DFT Protocol for EPR Prediction of Paramagnetic Cu(II) Complexes and Application to Protein Binding Sites. <i>Magnetochemistry</i> , <b>2018</b> , 4, 55	3.1	15
8	Directed Self-Assembly of Trimeric DNA-Binding chiral Miniprotein Helicates. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 520	5	7
7	Iridium-Catalyzed Isomerization of N-Sulfonyl Aziridines to Allyl Amines. <i>Organic Letters</i> , <b>2018</b> , 20, 5747-5751	18	
6	Accurate prediction of vertical electronic transitions of Ni(II) coordination compounds via time dependent density functional theory. <i>International Journal of Quantum Chemistry</i> , <b>2018</b> , 118, e25655	2.1	7
5	Mechanistic Insights on the Hydration of Terminal and Internal Allenes Catalyzed by [(NHC)Au] <sup>+</sup> . <i>Organometallics</i> , <b>2018</b> , 37, 3543-3551	3.8	9
4	Tridentate (O,N,O) ligands as potential chelator compounds for iron overload. <i>Polyhedron</i> , <b>2017</b> , 123, 192-205	2.7	5
3	Elucidation of Binding Site and Chiral Specificity of Oxidovanadium Drugs with Lysozyme through Theoretical Calculations. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 12938-12951	5.1	33
2	Nonoxido V(IV) Complexes: Prediction of the EPR Spectrum and Electronic Structure of Simple Coordination Compounds and Amavadin. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 7373-87	5.1	29
1	Computational Study of Homogeneous Multimetallic Cooperative Catalysis. <i>Topics in Catalysis</i> , 1	2.3	4