

# Giampaolo Barone

## List of Publications by Citations

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148  
papers

3,581  
citations

34  
h-index

53  
g-index

174  
ext. papers

4,068  
ext. citations

4.6  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
148	1,2,3-Triazole in Heterocyclic Compounds, Endowed with Biological Activity, through 1,3-Dipolar Cycloadditions. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 3289-3306	3.2	215
147	DNA-binding of nickel(II), copper(II) and zinc(II) complexes: Structure-Affinity relationships. <i>Coordination Chemistry Reviews</i> , <b>2013</b> , 257, 2848-2862	23.2	197
146	Structure validation of natural products by quantum-mechanical GIAO calculations of <sup>13</sup> C NMR chemical shifts. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3233-9	4.8	197
145	Determination of the relative stereochemistry of flexible organic compounds by Ab initio methods: conformational analysis and Boltzmann-averaged GIAO <sup>13</sup> C NMR chemical shifts. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3240-5	4.8	153
144	The interaction of native DNA with iron(III)- N ,N'-ethylene-bis(salicylideneiminato)-chloride. <i>Journal of Inorganic Biochemistry</i> , <b>2004</b> , 98, 589-94	4.2	126
143	The interaction of native DNA with Zn(II) and Cu(II) complexes of 5-triethyl ammonium methyl salicylidene orto-phenylendiimine. <i>Journal of Inorganic Biochemistry</i> , <b>2007</b> , 101, 841-8	4.2	100
142	DHFR Inhibitors: Reading the Past for Discovering Novel Anticancer Agents. <i>Molecules</i> , <b>2019</b> , 24,	4.8	73
141	Nickel(II), copper(II) and zinc(II) metallo-intercalators: structural details of the DNA-binding by a combined experimental and computational investigation. <i>Dalton Transactions</i> , <b>2014</b> , 43, 6108-19	4.3	72
140	Spectroscopic study of the interaction of Ni(II)-5-triethyl ammonium methyl salicylidene ortho-phenylendiimine with native DNA. <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 731-7	4.2	67
139	Synthesis and thermal decomposition studies of homo- and heteroleptic tin(IV) thiolates and dithiocarbamates: molecular precursors for tin sulfides. <i>Dalton Transactions RSC</i> , <b>2002</b> , 1085-1092		67
138	Toward a rationale for the PTC124 (Ataluren) promoted readthrough of premature stop codons: a computational approach and GFP-reporter cell-based assay. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 653-64	5.6	63
137	Selective G-quadruplex stabilizers: Schiff-base metal complexes with anticancer activity. <i>RSC Advances</i> , <b>2014</b> , 4, 33245-33256	3.7	62
136	Structure-directing and high-efficiency photocatalytic hydrogen production by Ag clusters. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1182-5	16.4	62
135	Analytic high-order Douglas-Kroll-Hess electric field gradients. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 074105	3.9	60
134	Deposition of tin sulfide thin films from tin(IV) thiolate precursors. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 464-468		57
133	Interaction of doxorubicin with polynucleotides. A spectroscopic study. <i>Biochemistry</i> , <b>2014</b> , 53, 2197-2073.2		55
132	Hsp60, a novel target for antitumor therapy: structure-function features and prospective drugs design. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 2757-64	3.3	55

131	Ag <sub>2</sub> and Ag <sub>3</sub> clusters: synthesis, characterization, and interaction with DNA. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7612-6	16.4	47
130	DNA binding and antiproliferative activity toward human carcinoma cells of copper(II) and zinc(II) complexes of a 2,5-diphenyl[1,3,4]oxadiazole derivative. <i>Dalton Transactions</i> , <b>2012</b> , 41, 4389-95	4.3	46
129	The interaction of native calf thymus DNA with Fe(III)-dipyrido[3,2-a:2',3'-c]phenazine. <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 1-9	4.2	45
128	Synthesis, characterization, cellular uptake and interaction with native DNA of a bis(pyridyl)-1,2,4-oxadiazole copper(II) complex. <i>Dalton Transactions</i> , <b>2010</b> , 39, 9140-5	4.3	42
127	Intercalation of daunomycin into stacked DNA base pairs. DFT study of an anticancer drug. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2008</b> , 26, 115-30	3.6	41
126	Synthesis, characterization, and in vitro antimicrobial activity of organotin(IV) complexes with triazolo-pyrimidine ligands containing exocyclic oxygen atoms. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 4773-4783	2.3	38
125	Halloysite nanotubes-carbon dots hybrids multifunctional nanocarrier with positive cell target ability as a potential non-viral vector for oral gene therapy. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 552, 236-246	9.3	36
124	Nuclear quadrupole moment of <sup>119</sup> Sn. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 1666-72	2.8	36
123	Molecular Basis of SARS-CoV-2 Infection and Rational Design of Potential Antiviral Agents: Modeling and Simulation Approaches. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 4291-4315	5.6	36
122	The mechanism of aquaporin inhibition by gold compounds elucidated by biophysical and computational methods. <i>Chemical Communications</i> , <b>2017</b> , 53, 3830-3833	5.8	35
121	The dissociation of the Hsp60/pro-Caspase-3 complex by bis(pyridyl)oxadiazole copper complex (CubipyOXA) leads to cell death in NCI-H292 cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 170, 8-16	4.2	35
120	H <sub>2</sub> SM-5 Modified Zeolite: Quantum Chemical Models of Acidic Sites. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13033-13043	3.8	35
119	Another step toward DNA selective targeting: Ni(II) and Cu(II) complexes of a Schiff base ligand able to bind gene promoter G-quadruplexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7758-67	4.3	35
118	Cyclometalated Au Complexes for Cysteine Arylation in Zinc Finger Protein Domains: towards Controlled Reductive Elimination. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7628-7634	4.8	34
117	Enhancement of premature stop codon readthrough in the CFTR gene by Ataluren (PTC124) derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 101, 236-44	6.8	34
116	Hydrogenation of acetylene-ethylene mixtures on Pd catalysts: computational study on the surface mechanism and on the influence of the carbonaceous deposits. <i>Catalysis Letters</i> , <b>2001</b> , 72, 17-23	2.8	34
115	G-quadruplex vs. duplex-DNA binding of nickel(II) and zinc(II) Schiff base complexes. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 161, 115-21	4.2	34
114	Selective targeting of PARP-1 zinc finger recognition domains with Au(III) organometallics. <i>Chemical Communications</i> , <b>2018</b> , 54, 611-614	5.8	33

- 113 DNA binding studies and cytotoxicity of a dinuclear PtII diazapyrenium-based metallo-supramolecular rectangular box. *Chemistry - A European Journal*, **2012**, 18, 10983-90 4.8 32
- 112 Experimental and DFT studies on competitive heterocyclic rearrangements. 3. A cascade isoxazole-1,2,4-oxadiazole-oxazole rearrangement. *Journal of Organic Chemistry*, **2009**, 74, 351-8 4.2 31
- 111 Circular Dichroism of DNA G-Quadruplexes: Combining Modeling and Spectroscopy To Unravel Complex Structures. *Journal of Physical Chemistry B*, **2016**, 120, 3113-21 3.4 30
- 110 Synthesis, spectroscopic characterization and in vitro antimicrobial activity of diorganotin(IV) dichloride adducts with [1,2,4]triazolo-[1,5-a]pyrimidine and 5,7-dimethyl-[1,2,4]triazolo-[1,5-a]pyrimidine. *Journal of Organometallic Chemistry*, **2006**, 691, 693-701 2.3 30
- 109 Are compliance constants ill-defined descriptors for weak interactions?. *RSC Advances*, **2013**, 3, 4757 3.7 29
- 108 Experimental and DFT studies on competitive heterocyclic rearrangements. Part 2: a one-atom side-chain versus the classic three-atom side-chain (Boulton-Katritzky) ring rearrangement of 3-acylamino-1,2,4-oxadiazoles. *Journal of Organic Chemistry*, **2007**, 72, 7656-66 4.2 29
- 107 Metal complex-DNA binding: Insights from molecular dynamics and DFT/MM calculations. *Journal of Inorganic Biochemistry*, **2013**, 124, 63-9 4.2 28
- 106 Metal Ions and Metal Complexes in Alzheimer's Disease. *Current Pharmaceutical Design*, **2016**, 22, 3996-4010 4.0 27
- 105 DNA interaction of CuII, NiII and ZnII functionalized salphen complexes: studies by linear dichroism, gel electrophoresis and PCR. *Dalton Transactions*, **2013**, 42, 11220-6 4.3 26
- 104 B-DNA Structure and Stability as Function of Nucleic Acid Composition: Dispersion-Corrected DFT Study of Dinucleoside Monophosphate Single and Double Strands. *ChemistryOpen*, **2013**, 2, 186-93 2.3 26
- 103 (Dipyrido[3,2-a:2',3'-c]phenazine)(glycinato)copper(II) perchlorate: a novel DNA-intercalator with anti-proliferative activity against thyroid cancer cell lines. *Journal of Inorganic Biochemistry*, **2012**, 117, 103-10 4.2 25
- 102 Molecular recognition of naphthalene diimide ligands by telomeric quadruplex-DNA: the importance of the protonation state and mediated hydrogen bonds. *Physical Chemistry Chemical Physics*, **2016**, 18, 2871-7 3.6 24
- 101 Zinc complexes as fluorescent chemosensors for nucleic acids: new perspectives for a "boring" element. *Dalton Transactions*, **2015**, 44, 3527-35 4.3 23
- 100 The inhibition of glycerol permeation through aquaglyceroporin-3 induced by mercury(II): A molecular dynamics study. *Journal of Inorganic Biochemistry*, **2016**, 160, 78-84 4.2 22
- 99 Computational study of the interaction of proflavine with d(ATATATATAT)2 and d(GCGCGCGCG)2. *Computational and Theoretical Chemistry*, **2009**, 915, 86-92 2.2
- 98 Synthesis and chemical characterization of CuII, NiII and ZnII complexes of 3,5-bis(2?-pyridyl)-1,2,4-oxadiazole and 3-(2?-pyridyl)5-(phenyl)-1,2,4-oxadiazole ligands. *Inorganica Chimica Acta*, **2011**, 373, 62-67 2.7 22
- 97 A theoretical and experimental investigation of the spectroscopic properties of a DNA-intercalator salphen-type Zn(II) complex. *Chemistry - A European Journal*, **2014**, 20, 7439-47 4.8 21
- 96 Semiempirical calculations on the interaction between dimethyltin(IV) and DNA model system. *Computational and Theoretical Chemistry*, **1999**, 469, 143-149 2.0

95	The interaction of Schiff Base complexes of nickel(II) and zinc(II) with duplex and G-quadruplex DNA. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 178, 106-114	4.2	20
94	New benzothieno[3,2-d]-1,2,3-triazines with antiproliferative activity: synthesis, spectroscopic studies, and biological activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 3291-7	2.9	19
93	Role of Seroalbumin in the Cytotoxicity of cis-Dichloro Pt(II) Complexes with (N^N)-Donor Ligands Bearing Functionalized Tails. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6124-6134	5.1	18
92	Multivariate analysis in the identification of biological targets for designed molecular structures: the BIOTA protocol. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 75, 106-10	6.8	18
91	Pyrazolo[3,4-d][1,2,3]triazolo[1,5-a]pyrimidine: a new ring system through Dimroth rearrangement. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 5125-5128	2	18
90	DFT calculations of the electric field gradient at the tin nucleus as a support of structural interpretation by <sup>119</sup> Sn Mössbauer spectroscopy. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 6185-91	4.8	18
89	Thermodynamics of the Interaction between the Spike Protein of Severe Acute Respiratory Syndrome Coronavirus-2 and the Receptor of Human Angiotensin-Converting Enzyme 2. Effects of Possible Ligands. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9272-9281	6.4	18
88	Role of RNA Guanine Quadruplexes in Favoring the Dimerization of SARS Unique Domain in Coronaviruses. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5661-5667	6.4	17
87	CASSCF/CASPT2 analysis of the fragmentation of H <sub>2</sub> on a Pd <sub>4</sub> cluster. <i>International Journal of Quantum Chemistry</i> , <b>2010</b> , 110, 558-562	2.1	17
86	A Synthetic Derivative of Antimicrobial Peptide Holothuroidin 2 from Mediterranean Sea Cucumber () in the Control of. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	16
85	Paracentrin 1, a synthetic antimicrobial peptide from the sea-urchin <i>Paracentrotus lividus</i> , interferes with staphylococcal and <i>Pseudomonas aeruginosa</i> biofilm formation. <i>AMB Express</i> , <b>2014</b> , 4, 78	4.1	16
84	Carbon-Phosphorus Coupling from C^N Cyclometalated Au Complexes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 4226-4231	4.8	15
83	Kinetic evidence for interaction of TMPyP4 with two different G-quadruplex conformations of human telomeric DNA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 522-531	4	15
82	The interaction of S,N-coordinated dimethyltin(IV) derivatives with deoxyribonucleic acid: structure and dynamics by <sup>119</sup> Sn Mössbauer spectroscopy. <i>Applied Organometallic Chemistry</i> , <b>1999</b> , 13, 595-603	3.1	15
81	Pyrrolomycins as antimicrobial agents. Microwave-assisted organic synthesis and insights into their antimicrobial mechanism of action. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 721-728	3.4	15
80	Confinement effects on the interaction of native DNA with Cu(II)-5-(triethylammoniummethyl)salicylidene ortho-phenylendiiminate in C(12)E(4) liquid crystals. <i>Dalton Transactions</i> , <b>2008</b> , 4172-8	4.3	14
79	Photochemistry of 1,2,4-oxadiazoles. A DFT study on photoinduced competitive rearrangements of 3-amino- and 3-n-methylamino-5-perfluoroalkyl-1,2,4-oxadiazoles. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2740-9	4.2	14
78	Hydrogenation of light hydrocarbons on palladium: theoretical study of the local surface arrangements. <i>Computational and Theoretical Chemistry</i> , <b>2001</b> , 542, 207-214		14

77	Silver Atomic Quantum Clusters of Three Atoms for Cancer Therapy: Targeting Chromatin Compaction to Increase the Therapeutic Index of Chemotherapy. <i>Advanced Materials</i> , <b>2018</b> , 30, e18013174	14
76	A novel compound of triphenyltin(IV) with N-tert-butoxycarbonyl-L-ornithine causes cancer cell death by inducing a p53-dependent activation of the mitochondrial pathway of apoptosis. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 456, 1-8	2.7 13
75	Exploring the Chemoselectivity towards Cysteine Arylation by Cyclometallated Au Compounds: New Mechanistic Insights. <i>ChemBioChem</i> , <b>2020</b> , 21, 3071-3076	3.8 12
74	Teaching Inorganic Photophysics and Photochemistry with Three Ruthenium(II) Polypyridyl Complexes: A Computer-Based Exercise. <i>Journal of Chemical Education</i> , <b>2016</b> , 93, 292-298	2.4 12
73	Confined But-2-ene Catalytic Isomerization Inside H-ZSM-5 Models: A DFT Study. <i>Journal of Chemical Theory and Computation</i> , <b>2009</b> , 5, 1274-83	6.4 12
72	Fluorescence emission and enhanced photochemical stability of Zn(II)-5-triethyl ammonium methyl salicylidene ortho-phenylendiimine interacting with native DNA. <i>Journal of Inorganic Biochemistry</i> , <b>2010</b> , 104, 765-73	4.2 12
71	The interaction of deoxyribonucleic acid with methyltin(IV) moieties in solution studied by small-angle X-ray scattering, circular dichroism and UV spectroscopy. <i>Applied Organometallic Chemistry</i> , <b>2000</b> , 14, 189-196	3.1 12
70	PTP1B phosphatase as a novel target of oleuropein activity in MCF-7 breast cancer model. <i>Toxicology in Vitro</i> , <b>2019</b> , 61, 104624	3.6 11
69	A peptide from human $\alpha$ -thymosin as a platform for the development of new anti-biofilm agents for <i>Staphylococcus</i> spp. and <i>Pseudomonas aeruginosa</i> . <i>World Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 32, 124	4.4 11
68	The Right Answer for the Right Electrostatics: Force Field Methods Are Able to Describe Relative Energies of DNA Guanine Quadruplexes. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 2901-5	6.4 11
67	Quaternary structures of GroEL and native-Hsp60 chaperonins in solution: a combined SAXS-MD study. <i>RSC Advances</i> , <b>2015</b> , 5, 49871-49879	3.7 11
66	Hydrogenation of 2,4-Dinitro-toluene on Pd/C Catalysts: Computational Study on the Influence of the Molecular Adsorption Modes and of Steric Hindrance and Metal Dispersion on the Reaction Mechanism. <i>Journal of Catalysis</i> , <b>2002</b> , 211, 296-307	7.3 11
65	Structural distortions in homoleptic (RE) <sub>4</sub> A (E = O, S, Se; A = C, Si, Ge, Sn): implications for the CVD of tin sulfides. <i>Dalton Transactions RSC</i> , <b>2001</b> , 3435-3445	11
64	2-Methoxyestradiol Affects Mitochondrial Biogenesis Pathway and Succinate Dehydrogenase Complex Flavoprotein Subunit A in Osteosarcoma Cancer Cells. <i>Cancer Genomics and Proteomics</i> , <b>2018</b> , 15, 73-89	3.3 11
63	Antimicrobial and Antibiofilm Activity of a Recombinant Fragment of $\alpha$ -Thymosin of Sea Urchin. <i>Marine Drugs</i> , <b>2018</b> , 16,	6 11
62	1,3-Dipolar cycloadditions with meso-tetraarylchlorins $\beta$ -site selectivity and mixed bisadducts. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 534-544	5.2 10
61	2-methoxyestradiol impacts on amino acids-mediated metabolic reprogramming in osteosarcoma cells by its interaction with NMDA receptor. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 3030-3049	7 10
60	Structural and Kinetic DFT Characterization of Materials to Rationalize Catalytic Performance. <i>Topics in Catalysis</i> , <b>2009</b> , 52, 444-455	2.3 10

59	The prediction of the nuclear quadrupole splitting of <sup>119</sup> Sn Mössbauer spectroscopy data by scalar relativistic DFT calculations. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 5116-21	4.8	10
58	Interaction of Cd(II) and Ni(II) terpyridine complexes with model polynucleotides: a multidisciplinary approach. <i>RSC Advances</i> , <b>2016</b> , 6, 4936-4945	3.7	9
57	In Silico, Spectroscopic, and Biological Insights on Annelated Pyrrolo[3,2- e]Pyrimidines with Antiproliferative Activity. <i>Letters in Drug Design and Discovery</i> , <b>2013</b> , 11, 15-26	0.8	9
56	On the structure of 3-acetylamino-5-methyl-1,2,4-oxadiazole and on the fully degenerate rearrangements (FDR) of its anion: a stimulating comparison between the results of $\mu$ -silicon chemistry and laboratory chemistry. <i>Journal of Physical Organic Chemistry</i> , <b>2009</b> , 22, 1086-1093	2.1	9
55	IDEA: interface dynamics and energetics algorithm. <i>Journal of Computational Chemistry</i> , <b>2007</b> , 28, 2483-995	3.9	9
54	SCSA code: applications on the cyclopeptide renieramide. <i>Journal of Chemical Information and Computer Sciences</i> , <b>2004</b> , 44, 1024-30		9
53	Does ligand symmetry play a role in the stabilization of DNA G-quadruplex host-guest complexes?. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 2665-90	4.3	9
52	Targeting G-quadruplexes with Organic Dyes: Chelerythrine-DNA Binding Elucidated by Combining Molecular Modeling and Optical Spectroscopy. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	8
51	Fishing for G-Quadruplexes in Solution with a Perylene Diimide Derivative Labeled with Biotins. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11292-11296	4.8	8
50	Hydrogenolysis of hydroxymatairesinol on Y derived catalysts: A computational study. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 333, 136-144		7
49	DFT computational study on Fe(III)-N,N'-ethylene-bis(salicylideneiminato) derivatives. <i>Computational and Theoretical Chemistry</i> , <b>2005</b> , 715, 79-83		7
48	Conformational analysis and DFT calculations of 8-hydroxy-germacradiene-6,12-olide derivatives. <i>Journal of Physical Organic Chemistry</i> , <b>2005</b> , 18, 1116-1122	2.1	7
47	The influence of substitution in the quinoxaline nucleus on 1,3-dipolar cycloaddition reactions: A DFT study. <i>Computational and Theoretical Chemistry</i> , <b>2013</b> , 1013, 116-122	2	6
46	The Influence of the Amide Linkage in the Fe(III) -Binding Properties of Catechol-Modified Rosamine Derivatives. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15692-704	4.8	6
45	Ground state and electronic spectrum of Cu(II) and Cu(III) complexes of N,N'-1,2-phenylenebis-2-mercaptoacetamide. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 2126-30	3.6	6
44	Ab initio study of structure and energetics of species involved in the 2,4-dinitro-toluene hydrogenation on Pd catalysts. <i>Computational and Theoretical Chemistry</i> , <b>2002</b> , 584, 211-220		6
43	Computational study of dimethyl- and trimethyl-tin(IV) complexes of porphyrin derivatives. <i>Applied Organometallic Chemistry</i> , <b>2001</b> , 15, 581-592	3.1	6
42	Theoretical evaluation of structures and energetics involved in the hydrogenation of hydrocarbons on palladium surfaces. <i>Computational and Theoretical Chemistry</i> , <b>2001</b> , 548, 173-183		6

41	Organoplatinum(II) Complexes Self-Assemble and Recognize AT-Rich Duplex DNA Sequences. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2178-2187	5.1	6
40	Human DNA Telomeres in Presence of Oxidative Lesions: The Crucial Role of Electrostatic Interactions on the Stability of Guanine Quadruplexes. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	5
39	Identification of New Antimicrobial Peptides from Mediterranean Medical Plant (Steinh.) Speta. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	5
38	Modification of DNA structure by reactive nitrogen species as a result of 2-methoxyestradiol-induced neuronal nitric oxide synthase uncoupling in metastatic osteosarcoma cells. <i>Redox Biology</i> , <b>2020</b> , 32, 101522	11.3	5
37	Adsorbed CO on group 10 metal fragments: a DFT study. <i>Journal of Chemical Information and Modeling</i> , <b>2009</b> , 49, 1223-33	6.1	5
36	Systematic conformational search analysis of the SRR and RRR epimers of 7-hydroxymatairesinol. <i>Journal of Physical Organic Chemistry</i> , <b>2010</b> , 23, 141-147	2.1	5
35	Structural investigations on diorgano- and triorganotin(IV) derivatives of [meso-tetra(4-sulfonatophenyl)porphine] metal chlorides. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 1573-1583	2.3	5
34	Green Tea Catechins Induce Inhibition of PTP1B Phosphatase in Breast Cancer Cells with Potent Anti-Cancer Properties: In Vitro Assay, Molecular Docking, and Dynamics Studies. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	5
33	Pyrazole[3,4-d]pyrimidine derivatives loaded into halloysite as potential CDK inhibitors. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 599, 120281	6.5	5
32	DNA-Binding and Anticancer Activity of Pyrene-Imidazolium Derivatives. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6755-6761	6.1	5
31	Perturbation of Developmental Regulatory Gene Expression by a G-Quadruplex DNA Inducer in the Sea Urchin Embryo. <i>Biochemistry</i> , <b>2018</b> , 57, 4391-4394	3.2	4
30	Relativistic coupled cluster calculations of the electronic structure of KrH <sup>+</sup> , XeH <sup>+</sup> and RnH <sup>+</sup> . <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	4
29	Microscopic interactions between ivermectin and key human and viral proteins involved in SARS-CoV-2 infection. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 22957-22971	3.6	4
28	Structure and Dynamics of RNA Guanine Quadruplexes in SARS-CoV-2 Genome. Original Strategies against Emerging Viruses. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10277-10283	6.4	4
27	The Binding Mechanism of Epolactaene to Hsp60 Unveiled by in Silico Modelling. <i>ChemistrySelect</i> , <b>2016</b> , 1, 759-765	1.8	4
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