

Jaime Rubio-Martínez

List of Publications by Year in descending order

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134
papers

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138
docs citations

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times ranked

3130
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of the Large N 1s Binding Energy in X-ray Photoelectron Spectra of Calcined Carbonaceous Materials. <i>Journal of the American Chemical Society</i> , 1996, 118, 8071-8076.	6.6	490
2	Effect of electron correlation on the electrostatic potential distribution of molecules. <i>Journal of the American Chemical Society</i> , 1991, 113, 5203-5211.	6.6	76
3	Madelung fields from optimized point charges for ab initio cluster model calculations on ionic systems. <i>Journal of Computational Chemistry</i> , 1993, 14, 680-684.	1.5	74
4	Selected versus complete configuration interaction expansions. <i>Journal of Chemical Physics</i> , 1991, 95, 1877-1883.	1.2	70
5	Theoretical analysis of bonding in monomeric and polymeric C ₅ H ₅ M compounds. <i>Organometallics</i> , 1984, 3, 759-764.	1.1	66
6	Origin of the vibrational shift of CO chemisorbed on Pt(111). <i>Physical Review B</i> , 1995, 52, 12372-12379.	1.1	65
7	Origin of magnetic coupling in La ₂ CuO ₄ . <i>Physical Review B</i> , 1996, 53, 945-951.	1.1	61
8	On the bonding mechanism of CO to Pt(111) and its effect on the vibrational frequency of chemisorbed CO. <i>Surface Science</i> , 1997, 376, 279-296.	0.8	61
9	Treating large intermediate spaces in the CIPSI method through a direct selected CI algorithm. <i>Theoretica Chimica Acta</i> , 1992, 82, 229-238.	0.9	53
10	Molecular structure and vibrational frequencies of Al _x O _y (x=1,2; y=1/2,3) derived from ab initio calculations. <i>Chemical Physics Letters</i> , 1988, 144, 373-377.	1.2	50
11	Ab initio cluster-model study of the on-top chemisorption of F and Cl on Si(111) and Ge(111) surfaces. <i>Physical Review B</i> , 1985, 31, 8068-8075.	1.1	49
12	Assessment of the Sampling Performance of Multiple-Copy Dynamics versus a Unique Trajectory. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1950-1962.	2.5	48
13	Approximate natural orbitals and the convergence of a second order multireference many-body perturbation theory (CIPSI) algorithm. <i>Journal of Chemical Physics</i> , 1988, 89, 6376-6384.	1.2	45
14	The Methylerythritol Phosphate (MEP) Pathway for Isoprenoid Biosynthesis as a Target for the Development of New Drugs Against Tuberculosis. <i>Current Medicinal Chemistry</i> , 2011, 18, 1325-1338.	1.2	43
15	Dynamical and nondynamical correlation effects in ab initio chemisorption cluster model calculations. Ground and low lying states of H on Cu(100) and Ag(100). <i>Journal of Chemical Physics</i> , 1988, 88, 260-271.	1.2	42
16	Comparative Evaluation of MMPBSA and XSCORE To Compute Binding Free Energy in XIAP~Peptide Complexes. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 134-142.	2.5	41
17	Doublet instability and the molecular structure of AlO ₂ . <i>Journal of Computational Chemistry</i> , 1988, 9, 836-843.	1.5	39
18	The nature of the chemical bond in simple oxides: A theoretical journey from the ionic model to the ab initio configuration interaction approach. <i>Journal of Chemical Physics</i> , 1993, 99, 389-396.	1.2	39

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19	Ab initio electronic structure of PtH ⁺ , PtH, Pt ₂ , and Pt ₂ H from a one-electron pseudopotential approach. <i>Journal of Chemical Physics</i> , 1996, 104, 8500-8506.	1.2	36
20	Electronic structure of Rh, RhH, and Rh ₂ as derived from ab initio (configuration interaction) calculations. <i>Journal of Chemical Physics</i> , 1990, 93, 2603-2610.	1.2	35
21	Direct determination of localized Hartree-Fock orbitals as a step toward N scaling procedures. <i>Journal of Chemical Physics</i> , 1997, 107, 10044-10050.	1.2	35
22	Electronic and geometrical structures of Pt ₃ and Pt ₄ . An ab initio one-electron proposal. <i>Chemical Physics Letters</i> , 1994, 217, 283-287.	1.2	34
23	Cu as a one-electron atom: Molecular structure and dissociation energy of CuOH. <i>Chemical Physics Letters</i> , 1985, 119, 397-402.	1.2	33
24	Ab initio self-consistent field and configuration interaction study of Cu ₅ O and Ag ₅ O as models for oxygen chemisorption on Cu(100) and Ag(100). <i>Journal of Chemical Physics</i> , 1989, 91, 5466-5475.	1.2	32
25	The analysis of the chemisorption bond from uncorrelated and correlated cluster model wave functions. <i>Journal of Chemical Physics</i> , 1994, 100, 1988-1994.	1.2	32
26	Molecular Determinants of Bim(BH ₃) Peptide Binding to Pro-Survival Proteins. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 2107-2118.	2.5	31
27	Cluster model description of the chemisorption bond: effect of the cluster model electronic state. <i>Surface Science</i> , 1994, 304, 335-342.	0.8	30
28	Nature of bonding of alkali metals to Si(111). <i>Physical Review B</i> , 1995, 51, 1581-1592.	1.1	30
29	On the inversion barriers of group 15 tricoordinate hydrides and halides: An ab initio study using analytical gradients. <i>Computational and Theoretical Chemistry</i> , 1988, 164, 351-361.	1.5	28
30	Chemisorption of group-III metals on the Si(111) and Ge(111) surfaces: An ab initio study. <i>Physical Review B</i> , 1990, 42, 5212-5220.	1.1	28
31	Bonding geometry and mechanism of NO adsorbed on Cu ₂ O(111): NO activation by Cu ⁺ cations. <i>Journal of Chemical Physics</i> , 1994, 101, 10134-10139.	1.2	28
32	Neutral versus ionic interactions in ab initio chemisorption cluster model calculations: halogens on mercury. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 267, 243-250.	0.3	27
33	Molecular structure of copper(I) hydroxide and copper hydroxide(1-) (Cu(OH) ₂ ⁻). An ab initio study. <i>The Journal of Physical Chemistry</i> , 1984, 88, 5225-5228.	2.9	26
34	Ab initio cluster model approach to the chemisorption on mercury. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 261, 39-50.	0.3	26
35	The effect of dynamical correlation on the valence wavefunction of molecules: Dressed complete active space self-consistent field calculations. <i>Chemical Physics</i> , 1990, 147, 293-307.	0.9	26
36	Bonding of atomic oxygen to Cu(100) and Ag(100) surfaces: a theoretical comparative study. <i>Surface Science</i> , 1993, 297, 57-65.	0.8	26

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37	Cyclin-dependent kinases 4 and 6 control tumor progression and direct glucose oxidation in the pentose cycle. <i>Metabolomics</i> , 2012, 8, 454-464.	1.4	25
38	Nonempirical cluster-model study of the chemisorption of atomic hydrogen on the (111) surface of diamondlike crystals. <i>Physical Review B</i> , 1986, 34, 7203-7208.	1.1	24
39	Reliability of one-electron approaches in chemisorption cluster model studies: Role of core-polarization and core-valence correlation effects. <i>Journal of Chemical Physics</i> , 1990, 93, 2521-2529.	1.2	24
40	Ab initio study of the ground and low-lying states of FeH. <i>Journal of Chemical Physics</i> , 1990, 92, 2478-2480.	1.2	24
41	On the use of frozen orbitals in molecular orbital cluster calculations: Cl on Si(111). <i>Chemical Physics Letters</i> , 1985, 120, 513-516.	1.2	23
42	Bonding of atomic oxygen to Cu(100) and Ag(100) surfaces: a study of the nature of the interaction. <i>Surface Science</i> , 1994, 307-309, 107-112.	0.8	23
43	Structural Analysis of the Inhibition of Cdk4 and Cdk6 by p16 ^{INK4a} through Molecular Dynamics Simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2002, 20, 347-358.	2.0	23
44	MINDO/3 potential energy surface for hydrogen-graphite system: Active sites and migration. <i>Surface Science</i> , 1985, 149, 621-629.	0.8	22
45	The importance of correlation effects on the bonding of atomic oxygen on Pt(111). <i>Journal of Chemical Physics</i> , 1996, 105, 7192-7199.	1.2	22
46	Rational Design of New Class of BH3-Mimetics As Inhibitors of the Bcl-x _L Protein. <i>Journal of Chemical Information and Modeling</i> , 2011, 51, 1249-1258.	2.5	22
47	Microwave-Assisted Synthesis of Substituted Pyrrolo[2,3-d]pyrimidines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1514-1524.	1.2	22
48	Chemisorption of atomic aluminum on Si(111): Evidence for an adsorbate-induced relaxation based on ab initio cluster-model calculations. <i>Physical Review B</i> , 1988, 38, 10700-10710.	1.1	21
49	Ab Initio Study of the Magnetic Coupling in Na ₆ Fe ₂ S ₆ . <i>Journal of Physical Chemistry A</i> , 1997, 101, 1526-1531.	1.1	21
50	Vibrational frequencies of halogens adsorbed on Ag (100) based on ab initio cluster model calculations. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 200, 47-53.	0.3	20
51	Protein-protein recognition as a first step towards the inhibition of XIAP and Survivin anti-apoptotic proteins. <i>Journal of Molecular Recognition</i> , 2008, 21, 190-204.	1.1	20
52	Convergence of a multireference second-order mbpt method (CIPSI) using a zero-order wavefunction derived from an MS SCF calculation. <i>Chemical Physics Letters</i> , 1986, 126, 98-102.	1.2	19
53	Ground and low-lying states of FeH ⁺ as derived from ab initio self-consistent field and configuration interaction calculations. <i>Journal of Chemical Physics</i> , 1989, 90, 6436-6442.	1.2	19
54	Ab initio valence-bond cluster model for ionic solids: Alkaline-earth oxides. <i>Physical Review B</i> , 1993, 47, 6207-6215.	1.1	19

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55	Size-consistent selected configuration interaction calculations. A few tests of efficiency. Chemical Physics Letters, 1993, 209, 126-134.	1.2	18
56	Molecular structure, vibrational frequencies and ionization potential of tin dihalides. Chemical Physics Letters, 1986, 123, 528-532.	1.2	17
57	The effect of electron correlation in the interaction of atomic hydrogen with Ben clusters 3â%ônâ%7. Journal of Chemical Physics, 1986, 84, 3311-3316.	1.2	17
58	An analysis of 3d correlation effects in the bonding of atomic oxygen to Cu(100). Journal of Chemical Physics, 1991, 95, 4225-4229.	1.2	17
59	The nature of the bonding of atomic Al to Si(111): is there a specific site-bond relationship?. Surface Science, 1992, 275, 459-472.	0.8	17
60	Ab initio cluster model study of geometry and bonding character of atomic nitrogen chemisorbed on the Cu(100) and Ag(100) surfaces. Surface Science, 1997, 374, 31-43.	0.8	17
61	Mimicking direct proteinâ€protein and solvent-mediated interactions in the CDP-methylerythritol kinase homodimer: a pharmacophore-directed virtual screening approach. Journal of Molecular Modeling, 2009, 15, 997-1007.	0.8	17
62	Ab initio molecular structure of Xn,H2n, compounds, (X = Si, Ge, Sn; n = 3, 4). Computational and Theoretical Chemistry, 1984, 110, 131-137.	1.5	16
63	Ab initio study of the superoxides of Group 13 metals. The Journal of Physical Chemistry, 1986, 90, 30-33.	2.9	16
64	The ionicity of halogens chemisorbed on mercury revisited. Journal of Electroanalytical Chemistry, 1993, 359, 105-113.	1.9	16
65	Active sites of Pt surfaces from ab initio cluster model molecular electrostatic potential maps. Electrochimica Acta, 1996, 41, 2275-2283.	2.6	16
66	Theoretical evidence for two geometrical isomers of silver oxide (AgO2). Journal of the American Chemical Society, 1986, 108, 7893-7897.	6.6	15
67	Mixed pseudo-potential approach to the on-top chemisorption of atomic hydrogen on the (100) silver surface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 216, 29-40.	0.3	15
68	The orthogonal valence bond interpretation of ab initio chemisorption cluster model wavefunctions. Chemical Physics, 1993, 177, 61-67.	0.9	15
69	Title is missing!. Journal of Mathematical Chemistry, 1999, 25, 85-92.	0.7	15
70	Molecular dynamics study of peptide segments of the BH3 domain of the proapoptotic proteins Bak, Bax, Bid and Hrk bound to the Bcl-xLand Bcl-2 proteins. Journal of Computer-Aided Molecular Design, 2004, 18, 13-22.	1.3	14
71	Homology modeling of human Transketolase: Description of critical sites useful for drug design and study of the cofactor binding mode. Journal of Molecular Graphics and Modelling, 2009, 27, 723-734.	1.3	14
72	Effect of the solvent on the conformational behavior of the alanine dipeptide deduced from MD simulations. Journal of Molecular Graphics and Modelling, 2017, 78, 118-128.	1.3	14

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73	Substituted tetrahydroisoquinolines: synthesis, characterization, antitumor activity and other biological properties. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 51-63.	2.6	14
74	Discovery of Diverse Natural Products as Inhibitors of SARS-CoV-2 M ^{pro} Protease through Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 6094-6106.	2.5	14
75	Basis-Modified hydrogen atoms as embedding atoms in ab initio chemisorption cluster model calculations on Si surfaces. <i>Journal of Computational Chemistry</i> , 1993, 14, 1534-1544.	1.5	13
76	Adiabatic and diabatic representations of potential energy curves for the (NaRb) ⁺ system. <i>Chemical Physics Letters</i> , 1996, 261, 583-590.	1.2	13
77	One-pot synthesis of 4-aminated pyrrolo[2,3-d]pyrimidines from alkynylpyrimidines under metal-catalyst-free conditions. <i>Tetrahedron</i> , 2015, 71, 1207-1214.	1.0	13
78	Identification of Potential Small Molecule Binding Pockets in p38 MAP Kinase. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2566-2574.	2.5	13
79	An efficient improvement of the string-based direct selected CI algorithm. <i>Theoretica Chimica Acta</i> , 1995, 92, 305-313.	0.9	12
80	Molecular Determinants for the Activation/Inhibition of Bak Protein by BH3 Peptides. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1632-1643.	2.5	12
81	On the potential energy surface for collinear OH+2 (4 Σ^+). <i>Journal of Chemical Physics</i> , 1991, 94, 3774-3777.	1.2	11
82	Evidence for two different bonding mechanisms of Al on Si(111). <i>Physical Review B</i> , 1993, 47, 2417-2419.	1.1	11
83	Calculation of proton affinities and absolute gas basicities of X3 group VI triatomics: a density functional study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2681.	1.7	11
84	Conformationally Restricted Hydantoin-Based Peptidomimetics as Inhibitors of Caspase-3 with Basic Groups Allowed at the S ₃ Enzyme Subsite. <i>ChemMedChem</i> , 2008, 3, 979-985.	1.6	11
85	RED: A Set of Molecular Descriptors Based on Rényi Entropy. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2457-2468.	2.5	11
86	Molecular Topology Applied to the Discovery of 1-Benzyl-2-(3-fluorophenyl)-4-hydroxy-3-(3-phenylpropanoyl)-2H-pyrrole-5-one as a Non-Ligand-Binding-Pocket Antiandrogen. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 2953-2966.	2.5	11
87	Effect of set up protocols on the accuracy of alchemical free energy calculation over a set of ACK1 inhibitors. <i>PLoS ONE</i> , 2019, 14, e0213217.	1.1	11
88	An ab initio study of the interaction of atomic hydrogen with cluster models simulating the (100) and (110) silver surfaces. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 196, 387-395.	0.3	10
89	The cluster model configuration interaction approach to the study of chemisorption on metal and semiconductor surfaces. <i>Computational and Theoretical Chemistry</i> , 1993, 287, 167-178.	1.5	10
90	Synthesis and evaluation of diverse analogs of amygdalin as potential peptidomimetics of peptide T. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 1493-1496.	1.0	10

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91	Differential correlation effects in chemisorption cluster model calculations: an FCI study. <i>Chemical Physics Letters</i> , 1991, 180, 578-582.	1.2	9
92	Diphenyl Urea Derivatives as Inhibitors of Transketolase: A Structure-Based Virtual Screening. <i>PLoS ONE</i> , 2012, 7, e32276.	1.1	9
93	Molecular dynamics analysis of the interaction between the human BCL6 BTB domain and its SMRT, NcoR and BCOR corepressors: The quest for a consensus dynamic pharmacophore. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 50, 142-151.	1.3	9
94	Atomic Level Rendering of DNA-Drug Encounter. <i>Biophysical Journal</i> , 2014, 106, 421-429.	0.2	9
95	Modeling and subtleties of K-Ras and Calmodulin interaction. <i>PLoS Computational Biology</i> , 2018, 14, e1006552.	1.5	9
96	Taking into account non-dynamical correlation effects in ab initio chemisorption cluster model calculations. <i>Computational and Theoretical Chemistry</i> , 1989, 202, 315-324.	1.5	8
97	A numerical test on the size consistency of some multireference configuration interaction approaches. <i>Chemical Physics Letters</i> , 1992, 200, 559-566.	1.2	8
98	The full-CI energy of the NH ₃ molecule in a DZP basis set. <i>Chemical Physics Letters</i> , 1994, 218, 283-286.	1.2	8
99	Binding of the anticancer drug BI-2536 to human serum albumin. A spectroscopic and theoretical study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 172, 77-87.	1.7	8
100	The role of d electrons in ab initio chemisorption cluster model calculations. Atomic hydrogen on Cu(100) and Ag(100). <i>Solid State Communications</i> , 1988, 65, 605-608.	0.9	7
101	Ab initio cluster model approach to the chemisorption of hydrogen on mercury. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 241, 105-112.	0.3	7
102	Quasi-classical trajectory study of the dynamics of the reaction O(3P)+CS ₂ (X1 $\hat{a}^{\wedge}+g$) \hat{a}^{\wedge} +CS(X1 $\hat{a}^{\wedge}+$)+SO(X3 $\hat{a}^{\wedge}\hat{a}^{\wedge}$) using two model potential energy surfaces. <i>Chemical Physics</i> , 1992, 161, 99-126.	0.9	7
103	Reducing CDK4/6-p16INK4a interface. Computational alanine scanning of a peptide bound to CDK6 protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 797-810.	1.5	7
104	Homology modeling of Mycobacterium tuberculosis 2C-methyl-d-erythritol-4-phosphate cytidyltransferase, the third enzyme in the MEP pathway for isoprenoid biosynthesis. <i>Journal of Molecular Modeling</i> , 2010, 16, 1061-1073.	0.8	7
105	A theoretical study of relaxation and reconstruction of the (111) surface of diamond. <i>Surface Science</i> , 1985, 162, 169-174.	0.8	6
106	Performance of correlation functionals in ab initio chemisorption cluster-model calculations: Alkali metals on Si(111). <i>Physical Review B</i> , 1995, 52, 11998-12005.	1.1	6
107	Predicting binding energies of CDK6 inhibitors in the hit-to-lead process. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 807-823.	0.5	6
108	Design of novel ligands of CDP-methylerythritol kinase by mimicking direct protein-protein and solvent-mediated interactions. <i>Journal of Molecular Recognition</i> , 2011, 24, 71-80.	1.1	6

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109	Interpretation of the chemisorption bond based in the partitioning energy scheme in the RHF-MINDO/3 method: Adatoms on graphite. <i>Computational and Theoretical Chemistry</i> , 1986, 136, 303-312.	1.5	5
110	On the performance of atomic natural orbital basis sets: A full configuration interaction study. <i>Journal of Chemical Physics</i> , 1990, 93, 4982-4985.	1.2	5
111	Energy partitioning using two-electron average matrices. <i>Chemical Physics Letters</i> , 1994, 222, 51-57.	1.2	5
112	Pseudometrics from three-positive semidefinite similarities. <i>Fuzzy Sets and Systems</i> , 2006, 157, 2347-2355.	1.6	5
113	Structural analysis of the inhibition of APRIL by TACI and BCMA through molecular dynamics simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 39, 13-22.	1.3	5
114	Shedding light on the binding mechanism of kinase inhibitors BI-2536, Volasetib and Ro-3280 with their pharmacological target PLK1. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 232, 112477.	1.7	5
115	The molecular structure of bicyclo[1.1.0]tetraarsane from ab initio calculations using analytical gradients. <i>Computational and Theoretical Chemistry</i> , 1987, 150, 283-287.	1.5	4
116	Consequences of chemical bonding on the adiabaticity of gas-surface reactions. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 257-267.	1.5	4
117	Assessment of the performance of cluster analysis grouping using pharmacophores as molecular descriptors. <i>Computational and Theoretical Chemistry</i> , 2005, 727, 81-87.	1.5	4
118	Structure-based approach to the design of BakBH3 mimetic peptides with increased helical propensity. <i>Journal of Molecular Modeling</i> , 2013, 19, 4305-4318.	0.8	4
119	Design of an interface peptide as new inhibitor of human glucose-6-phosphate dehydrogenase. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 49, 110-117.	1.3	4
120	Energy levels in the jj coupling scheme. <i>Journal of Chemical Education</i> , 1986, 63, 476.	1.1	3
121	The aluminium-acetylene interaction: structure, coordination modes, vibrational frequencies and hyperfine coupling constants. The density functional point of view. <i>Computational and Theoretical Chemistry</i> , 1999, 466, 77-84.	1.5	3
122	Exploring potential energy surfaces with gentlest ascent dynamics in combination with the shrinking dimer method and Newtonian dynamics. <i>Theoretical Chemistry Accounts</i> , 2018, 137, 1.	0.5	3
123	Fragment dissolved molecular dynamics: a systematic and efficient method to locate binding sites. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3123-3134.	1.3	3
124	Analysis of the basis set and correlation effects on the computation of molecular polarizabilities using molecular polarization maps. <i>Theoretical Chemistry Accounts</i> , 2009, 123, 113-118.	0.5	2
125	A benchmark calculation for the fuzzy c-means clustering algorithm: initial memberships. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2703-2715.	0.7	2
126	A multistep docking and scoring protocol for congeneric series: Implementation on kinase DFG-out type II inhibitors. <i>Future Medicinal Chemistry</i> , 2018, 10, 297-318.	1.1	2

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127	Multigram scale synthesis of polycyclic lactones and evaluation of antitumor and other biological properties. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111807.	2.6	2
128	Insight into the Binding of DFG-out Allosteric Inhibitors to B-Raf Kinase Using Molecular Dynamics and Free Energy Calculations. <i>Current Computer-Aided Drug Design</i> , 2015, 11, 124-136.	0.8	2
129	Non-empirical cluster-model study of the relaxation of (111) surfaces of C, Si, Ge. <i>Computational and Theoretical Chemistry</i> , 1990, 204, 325-329.	1.5	1
130	An ab initio study of the collinear reaction of Fe+ (4F) and Fe+ (6D) with H ₂ . <i>Journal of Chemical Physics</i> , 1991, 94, 4352-4355.	1.2	1
131	Toward understanding calmodulin plasticity by molecular dynamics. <i>Future Medicinal Chemistry</i> , 2019, 11, 975-991.	1.1	1
132	On the Use of the Discrete Constant pH Molecular Dynamics to Describe the Conformational Space of Peptides. <i>Polymers</i> , 2021, 13, 99.	2.0	1
133	Reliability of atomic natural orbital basis sets in calculations involving pseudopotentials. <i>Journal of Computational Chemistry</i> , 1992, 13, 148-154.	1.5	0
134	Unravelling Constant pH Molecular Dynamics in Oligopeptides with Explicit Solvation Model. <i>Polymers</i> , 2021, 13, 3311.	2.0	0