

# Jaime Rubio-Martínez

## List of Publications by Year in descending order

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134  
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times ranked

3130  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Unravelling Constant pH Molecular Dynamics in Oligopeptides with Explicit Solvation Model. <i>Polymers</i> , 2021, 13, 3311.	2.0	0
4	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
5	Discovery of Diverse Natural Products as Inhibitors of SARS-CoV-2 M <sup>pro</sup> Protease through Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 6094-6106.	2.5	14
6	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
7	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
8	Toward understanding calmodulin plasticity by molecular dynamics. <i>Future Medicinal Chemistry</i> , 2019, 11, 975-991.	1.1	1
9	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
10	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
11	Substituted tetrahydroisoquinolines: synthesis, characterization, antitumor activity and other biological properties. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 51-63.	2.6	14
12	Modeling and subtleties of K-Ras and Calmodulin interaction. <i>PLoS Computational Biology</i> , 2018, 14, e1006552.	1.5	9
13	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
14	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
15	Effect of the solvent on the conformational behavior of the alanine dipeptide deduced from MD simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 78, 118-128.	1.3	14
16	Identification of Potential Small Molecule Binding Pockets in p38 $\beta$ MAP Kinase. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2566-2574.	2.5	13
17	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
18	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

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19	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
20	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
21	Microwave-Assisted Synthesis of Substituted Pyrrolo[2,3- <i>d</i> ]pyrimidines. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1514-1524.	1.2	22
22	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
23	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
24	Atomic Level Rendering of DNA-Drug Encounter. <i>Biophysical Journal</i> , 2014, 106, 421-429.	0.2	9
25	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
26	Structure-based approach to the design of Bcl-2/Bcl-xL/Bcl-2L1 mimetic peptides with increased helical propensity. <i>Journal of Molecular Modeling</i> , 2013, 19, 4305-4318.	0.8	4
27	Molecular Determinants of Bim(BH3) Peptide Binding to Pro-Survival Proteins. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 2107-2118.	2.5	31
28	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
29	Diphenyl Urea Derivatives as Inhibitors of Transketolase: A Structure-Based Virtual Screening. <i>PLoS ONE</i> , 2012, 7, e32276.	1.1	9
30	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
31	Rational Design of New Class of BH3-Mimetics As Inhibitors of the Bcl-2/Bcl-xL/Bcl-2L1 Protein. <i>Journal of Chemical Information and Modeling</i> , 2011, 51, 1249-1258.	2.5	22
32	Predicting binding energies of CDK6 inhibitors in the hit-to-lead process. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 807-823.	0.5	6
33	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
34	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
35	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
36	Mimicking direct protein-protein and solvent-mediated interactions in the CDP-methylerythritol kinase homodimer: a pharmacophore-directed virtual screening approach. <i>Journal of Molecular Modeling</i> , 2009, 15, 997-1007.	0.8	17

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37	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
38	Homology modeling of human Transketolase: Description of critical sites useful for drug design and study of the cofactor binding mode. <i>Journal of Molecular Graphics and Modelling</i> , 2009, 27, 723-734.	1.3	14
39	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
40	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
41	Conformationally Restricted Hydantoin-Based Peptidomimetics as Inhibitors of Caspase-3 with Basic Groups Allowed at the S <sub>3</sub> Enzyme Subsite. <i>ChemMedChem</i> , 2008, 3, 979-985.	1.6	11
42	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
43	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
44	Pseudometrics from three-positive semidefinite similarities. <i>Fuzzy Sets and Systems</i> , 2006, 157, 2347-2355.	1.6	5
45	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
46	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
47	Molecular dynamics study of peptide segments of the BH3 domain of the proapoptotic proteins Bak, Bax, Bid and Hrk bound to the Bcl-xL and Bcl-2 proteins. <i>Journal of Computer-Aided Molecular Design</i> , 2004, 18, 13-22.	1.3	14
48	Structural Analysis of the Inhibition of Cdk4 and Cdk6 by p16 <sup>INK4a</sup> through Molecular Dynamics Simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2002, 20, 347-358.	2.0	23
49	Title is missing!. <i>Journal of Mathematical Chemistry</i> , 1999, 25, 85-92.	0.7	15
50	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
51	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
52	Ab Initio Study of the Magnetic Coupling in Na <sub>6</sub> Fe <sub>2</sub> S <sub>6</sub> . <i>Journal of Physical Chemistry A</i> , 1997, 101, 1526-1531.	1.1	21
53	Ab initio cluster model study of geometry and bonding character of atomic nitrogen chemisorbed on the Cu(100) and Ag(100) surfaces. <i>Surface Science</i> , 1997, 374, 31-43.	0.8	17
54	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

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55	Ab initioelectronic structure of PtH <sup>+</sup> , PtH, Pt <sub>2</sub> , and Pt <sub>2</sub> H from a one-electron pseudopotential approach. <i>Journal of Chemical Physics</i> , 1996, 104, 8500-8506.	1.2	36
56	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
57	Calculation of proton affinities and absolute gas basicities of X <sub>3</sub> group VI triatomics: a density functional study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2681.	1.7	11
58	Consequences of chemical bonding on the adiabaticity of gas-surface reactions. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 257-267.	1.5	4
59	Adiabatic and diabatic representations of potential energy curves for the (NaRb) <sup>+</sup> system. <i>Chemical Physics Letters</i> , 1996, 261, 583-590.	1.2	13
60	Active sites of Pt surfaces from ab initio cluster model molecular electrostatic potential maps. <i>Electrochimica Acta</i> , 1996, 41, 2275-2283.	2.6	16
61	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
62	Origin of magnetic coupling in La <sub>2</sub> CuO <sub>4</sub> . <i>Physical Review B</i> , 1996, 53, 945-951.	1.1	61
63	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
64	Origin of the vibrational shift of CO chemisorbed on Pt(111). <i>Physical Review B</i> , 1995, 52, 12372-12379.	1.1	65
65	Nature of bonding of alkali metals to Si(111). <i>Physical Review B</i> , 1995, 51, 1581-1592.	1.1	30
66	An efficient improvement of the string-based direct selected CI algorithm. <i>Theoretica Chimica Acta</i> , 1995, 92, 305-313.	0.9	12
67	Bonding geometry and mechanism of NO adsorbed on Cu <sub>2</sub> O(111): NO activation by Cu <sup>+</sup> cations. <i>Journal of Chemical Physics</i> , 1994, 101, 10134-10139.	1.2	28
68	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
69	Electronic and geometrical structures of Pt <sub>3</sub> and Pt <sub>4</sub> . An ab initio one-electron proposal. <i>Chemical Physics Letters</i> , 1994, 217, 283-287.	1.2	34
70	The full-CI energy of the NH <sub>3</sub> molecule in a DZP basis set. <i>Chemical Physics Letters</i> , 1994, 218, 283-286.	1.2	8
71	Energy partitioning using two-electron average matrices. <i>Chemical Physics Letters</i> , 1994, 222, 51-57.	1.2	5
72	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

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73	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
74	Size-consistent selected configuration interaction calculations. A few tests of efficiency. <i>Chemical Physics Letters</i> , 1993, 209, 126-134.	1.2	18
75	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
76	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
77	The orthogonal valence bond interpretation of ab initio chemisorption cluster model wavefunctions. <i>Chemical Physics</i> , 1993, 177, 61-67.	0.9	15
78	The ionicity of halogens chemisorbed on mercury revisited. <i>Journal of Electroanalytical Chemistry</i> , 1993, 359, 105-113.	1.9	16
79	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
80	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
81	Ab initio valence-bond cluster model for ionic solids: Alkaline-earth oxides. <i>Physical Review B</i> , 1993, 47, 6207-6215.	1.1	19
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	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
84	The nature of the bonding of atomic Al to Si(111): is there a specific site-bond relationship?. <i>Surface Science</i> , 1992, 275, 459-472.	0.8	17
85	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
86	Quasi-classical trajectory study of the dynamics of the reaction $O(3P) + CS_2(X1\hat{\sigma}^+g) \rightarrow CS(X1\hat{\sigma}^+) + SO(X3\hat{\sigma}^+\hat{\sigma}^+)$ using two model potential energy surfaces. <i>Chemical Physics</i> , 1992, 161, 99-126.	0.9	7
87	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
88	Reliability of atomic natural orbital basis sets in calculations involving pseudopotentials. <i>Journal of Computational Chemistry</i> , 1992, 13, 148-154.	1.5	0
89	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
90	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

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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	On the potential energy surface for collinear OH+2 ( $4\sigma^2$ ). <i>Journal of Chemical Physics</i> , 1991, 94, 3774-3777.	1.2	11
93	Selected versus complete configuration interaction expansions. <i>Journal of Chemical Physics</i> , 1991, 95, 1877-1883.	1.2	70
94	An analysis of 3d correlation effects in the bonding of atomic oxygen to Cu(100). <i>Journal of Chemical Physics</i> , 1991, 95, 4225-4229.	1.2	17
95	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
96	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
97	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
98	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
99	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
100	Electronic structure of Rh, RhH, and Rh <sub>2</sub> as derived from ab initio (configuration interaction) calculations. <i>Journal of Chemical Physics</i> , 1990, 93, 2603-2610.	1.2	35
101	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
102	Ground and low-lying states of FeH <sup>+</sup> 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
103	Ab initio self-consistent field and configuration interaction study of Cu <sub>5</sub> O and Ag <sub>5</sub> 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
104	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
105	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
106	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
107	Molecular structure and vibrational frequencies of Al <sub>x</sub> O <sub>y</sub> (x=1,2; y=1/2,3) derived from ab initio calculations. <i>Chemical Physics Letters</i> , 1988, 144, 373-377.	1.2	50
108	Doublet instability and the molecular structure of AlO <sub>2</sub> . <i>Journal of Computational Chemistry</i> , 1988, 9, 836-843.	1.5	39

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109	The role of d electrons in ab initio chemisorption cluster model calculations. Atomic hydrogen on Cu(100) and Ag(100). Solid State Communications, 1988, 65, 605-608.	0.9	7
110	Ab initio cluster model approach to the chemisorption of hydrogen on mercury. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 241, 105-112.	0.3	7
111	On the inversion barriers of group 15 tricoordinate hydrides and halides: An ab initio study using analytical gradients. Computational and Theoretical Chemistry, 1988, 164, 351-361.	1.5	28
112	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). Journal of Chemical Physics, 1988, 88, 260-271.	1.2	42
113	Approximate natural orbitals and the convergence of a second order multireference many-body perturbation theory (CIPSI) algorithm. Journal of Chemical Physics, 1988, 89, 6376-6384.	1.2	45
114	Chemisorption of atomic aluminum on Si(111): Evidence for an adsorbate-induced relaxation based on ab initio cluster-model calculations. Physical Review B, 1988, 38, 10700-10710.	1.1	21
115	The molecular structure of bicyclo[1.1.0]tetraarsane from ab initio calculations using analytical gradients. Computational and Theoretical Chemistry, 1987, 150, 283-287.	1.5	4
116	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
117	Theoretical evidence for two geometrical isomers of silver oxide (Ag <sub>2</sub> O). Journal of the American Chemical Society, 1986, 108, 7893-7897.	6.6	15
118	Interpretation of the chemisorption bond based in the partitioning energy scheme in the RHF-MINDO/3 method: Adatoms on graphite. Computational and Theoretical Chemistry, 1986, 136, 303-312.	1.5	5
119	Energy levels in the jj coupling scheme. Journal of Chemical Education, 1986, 63, 476.	1.1	3
120	Ab initio study of the superoxides of Group 13 metals. The Journal of Physical Chemistry, 1986, 90, 30-33.	2.9	16
121	Molecular structure, vibrational frequencies and ionization potential of tin dihalides. Chemical Physics Letters, 1986, 123, 528-532.	1.2	17
122	Convergence of a multireference second-order mbpt method (CIPSI) using a zero-order wavefunction derived from an MS SCF calculation. Chemical Physics Letters, 1986, 126, 98-102.	1.2	19
123	Vibrational frequencies of halogens adsorbed on Ag (100) based on ab initio cluster model calculations. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 200, 47-53.	0.3	20
124	Nonempirical cluster-model study of the chemisorption of atomic hydrogen on the (111) surface of diamondlike crystals. Physical Review B, 1986, 34, 7203-7208.	1.1	24
125	The effect of electron correlation in the interaction of atomic hydrogen with Ben clusters $C_n$ . Journal of Chemical Physics, 1986, 84, 3311-3316.	1.2	17
126	An ab initio study of the interaction of atomic hydrogen with cluster models simulating the (100) and (110) silver surfaces. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 196, 387-395.	0.3	10

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127	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
128	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
129	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
130	MINDO/3 potential energy surface for hydrogen-graphite system: Active sites and migration. <i>Surface Science</i> , 1985, 149, 621-629.	0.8	22
131	A theoretical study of relaxation and reconstruction of the (111) surface of diamond. <i>Surface Science</i> , 1985, 162, 169-174.	0.8	6
132	Molecular structure of copper(I) hydroxide and copper hydroxide(1-) (Cu(OH) <sub>2</sub> <sup>-</sup> ). An ab initio study. <i>The Journal of Physical Chemistry</i> , 1984, 88, 5225-5228.	2.9	26
133	Theoretical analysis of bonding in monomeric and polymeric C <sub>5</sub> H <sub>5</sub> M compounds. <i>Organometallics</i> , 1984, 3, 759-764.	1.1	66
134	Ab initio molecular structure of X <sub>n</sub> H <sub>2n</sub> compounds, (X = Si, Ge, Sn; n = 3, 4). <i>Computational and Theoretical Chemistry</i> , 1984, 110, 131-137.	1.5	16