

# Vassiliki-Alexandra Glezakou

## List of Publications by Year in descending order

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122  
papers

4,877  
citations

87723

38  
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106150

65  
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130  
all docs

130  
docs citations

130  
times ranked

5858  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principle investigation on catalytic hydrogenation of benzaldehyde over Pt-group metals. <i>Catalysis Today</i> , 2022, 388-389, 208-215.	2.2	12
2	<i>Ab initio</i> molecular dynamics with enhanced sampling in heterogeneous catalysis. <i>Catalysis Science and Technology</i> , 2022, 12, 12-37.	2.1	29
3	Impact of functional groups on the electrocatalytic hydrogenation of aromatic carbonyls to alcohols. <i>Catalysis Today</i> , 2022, 397-399, 63-68.	2.2	5
4	Understanding Adsorption of Organics on Pt(111) in the Aqueous Phase: Insights from DFT Based Implicit Solvent and Statistical Thermodynamics Models. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 1849-1861.	2.3	7
5	Determining the Adsorption Energetics of 2,3-Butanediol on RuO <sub>2</sub> (110): Coupling First-Principles Calculations With Global Optimizers. <i>Frontiers in Energy Research</i> , 2022, 9, .	1.2	0
6	Functionalization of Electrodes with Tunable [EMIM] <sup>+</sup> [Cl] <sup>-</sup> Ionic Liquid Clusters for Electrochemical Separations. <i>Chemistry of Materials</i> , 2022, 34, 2612-2623.	3.2	5
7	Diffusion and Surface Segregation of Interstitial Ti Defects Induced by Electronic Metal-Support Interactions on a Au/TiO <sub>2</sub> Nanocatalyst. <i>ACS Catalysis</i> , 2022, 12, 4455-4464.	5.5	17
8	Advanced Theory and Simulation to Guide the Development of CO <sub>2</sub> Capture Solvents. <i>ACS Omega</i> , 2022, 7, 12453-12466.	1.6	2
9	Tuning the Charge and Hydrophobicity of Graphene Oxide Membranes by Functionalization with Ionic Liquids at Epoxide Sites. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19031-19042.	4.0	6
10	Understanding Metal-Organic Framework Nucleation from a Solution with Evolving Graphs. <i>Journal of the American Chemical Society</i> , 2022, 144, 11099-11109.	6.6	19
11	Hydrogen Bonding Enhances the Electrochemical Hydrogenation of Benzaldehyde in the Aqueous Phase. <i>Angewandte Chemie</i> , 2021, 133, 294-300.	1.6	12
12	Hydrogen Bonding Enhances the Electrochemical Hydrogenation of Benzaldehyde in the Aqueous Phase. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 290-296.	7.2	40
13	Global optimization of chemical cluster structures: Methods, applications, and challenges. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26553.	1.0	31
14	Progress and challenges in self-healing cementitious materials. <i>Journal of Materials Science</i> , 2021, 56, 201-230.	1.7	34
15	Molecular dynamics simulations of a hydrophilic MIL-160-based membrane demonstrate pressure-dependent selective uptake of industrially relevant greenhouse gases. <i>Materials Advances</i> , 2021, 2, 5922-5934.	2.6	3
16	Creating self-assembled arrays of mono-oxo (MoO <sub>3</sub> ) <sub>1</sub> species on TiO <sub>2</sub> (101) via deposition and decomposition of (MoO <sub>3</sub> ) <sub>n</sub> oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
17	Coordination Sphere of Lanthanide Aqua Ions Resolved with <i>Ab Initio</i> Molecular Dynamics and X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2021, 60, 3117-3130.	1.9	33
18	<i>Ab initio</i> molecular dynamics assessment of thermodynamic and transport properties in (K,Li)Cl and (K, Tl)ETQqO <sub>0.0</sub> rgBT/Overlock 10	2.3	23

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19	Graphene Oxide as a Pb(II) Separation Medium: Has Part of the Story Been Overlooked?. <i>Jacs Au</i> , 2021, 1, 766-776.	3.6	9
20	Environment of Metal-O-Fe Bonds Enabling High Activity in CO <sub>2</sub> Reduction on Single Metal Atoms and on Supported Nanoparticles. <i>Journal of the American Chemical Society</i> , 2021, 143, 5540-5549.	6.6	54
21	Norm-Conserving Pseudopotentials and Basis Sets to Explore Actinide Chemistry in Complex Environments. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 3360-3371.	2.3	19
22	Confinement effects and acid strength in zeolites. <i>Nature Communications</i> , 2021, 12, 2630.	5.8	90
23	Binding and stability of MgO monomers on anatase TiO <sub>2</sub> (101). <i>Journal of Chemical Physics</i> , 2021, 154, 204703.	1.2	3
24	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22769-22775.	7.2	34
25	Surface Density Dependent Catalytic Activity of Single Palladium Atoms Supported on Ceria**. <i>Angewandte Chemie</i> , 2021, 133, 22951.	1.6	0
26	The role of sub-surface hydrogen on CO <sub>2</sub> reduction and dynamics on Ni(110): An <i>ab initio</i> molecular dynamics study. <i>Journal of Chemical Physics</i> , 2021, 155, 044702.	1.2	2
27	Activity of Cu-Al-Oxo Extra-Framework Clusters for Selective Methane Oxidation on Cu-Exchanged Zeolites. <i>Jacs Au</i> , 2021, 1, 1412-1421.	3.6	21
28	Actinide Molten Salts: A Machine-Learning Potential Molecular Dynamics Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 53398-53408.	4.0	19
29	AMPHIPHILIC WATER-LEAN CARBON CAPTURE SOLVENT WETTING BEHAVIOR VIA DECOMPOSITION BY STAINLESS-STEEL INTERFACES. <i>ChemSusChem</i> , 2021, 14, 5283-5292.	3.6	1
30	Computational and Experimental Study for the Denitrification of Biomass-Derived Hydrothermal Liquefaction Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13406-13413.	3.2	1
31	Mechanism of methanol synthesis on Ni(110). <i>Catalysis Science and Technology</i> , 2021, 11, 3279-3294.	2.1	6
32	Ligand control of low-frequency electron paramagnetic resonance linewidth in Cr(III) complexes. <i>Dalton Transactions</i> , 2021, 50, 5342-5350.	1.6	5
33	Electro-reduction of organics on metal cathodes: A multiscale-modeling study of benzaldehyde on Au (111). <i>Catalysis Today</i> , 2020, 350, 39-46.	2.2	13
34	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1501-1505.	7.2	53
35	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 1517-1521.	1.6	18
36	Polymer-cement composites with adhesion and re-adhesion (healing) to casing capability for geothermal wellbore applications. <i>Cement and Concrete Composites</i> , 2020, 107, 103490.	4.6	9

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37	Impact of Cr and Co on <sup>99</sup> Tc retention in magnetite: A combined study of ab initio molecular dynamics and experiments. <i>Journal of Hazardous Materials</i> , 2020, 387, 121721.	6.5	3
38	Single-Step Conversion of Ethanol to <i>n</i> -Butene over Ag-ZrO <sub>2</sub> /SiO <sub>2</sub> Catalysts. <i>ACS Catalysis</i> , 2020, 10, 10602-10613.	5.5	34
39	Structure and Stability of the Ionic Liquid Clusters [EMIM] <sup>+</sup> [BF <sub>4</sub> ] <sup>-</sup> ( <i>n</i> = 1-9): Implications for Electrochemical Separations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6844-6851.	2.1	12
40	Effect of Collective Dynamics and Anharmonicity on Entropy in Heterogeneous Catalysis: Building the Case for Advanced Molecular Simulations. <i>ACS Catalysis</i> , 2020, 10, 9236-9260.	5.5	63
41	On the Role of Enthalpic and Entropic Contributions to the Conformational Free Energy Landscape of MIL-101(Cr) Secondary Building Units. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000092.	1.3	7
42	Electrocatalytic Hydrogenation of Biomass-Derived Organics: A Review. <i>Chemical Reviews</i> , 2020, 120, 11370-11419.	23.0	185
43	Subtle changes in hydrogen bond orientation result in glassification of carbon capture solvents. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19009-19021.	1.3	3
44	Single-Atom Catalysis: An Analogy between Heterogeneous and Homogeneous Catalysts. <i>ACS Symposium Series</i> , 2020, , 1-15.	0.5	1
45	Molecular-Level Overhaul of <sup>3</sup> Aminopropyl Aminosilicone/Triethylene Glycol Post-Combustion CO <sub>2</sub> -Capture Solvents. <i>ChemSusChem</i> , 2020, 13, 3429-3438.	3.6	16
46	NWPEsSe: An Adaptive-Learning Global Optimization Algorithm for Nanosized Cluster Systems. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3947-3958.	2.3	47
47	Theoretical insights into the surface physics and chemistry of redox-active oxides. <i>Nature Reviews Materials</i> , 2020, 5, 460-475.	23.3	89
48	Reconciling Work Functions and Adsorption Enthalpies for Implicit Solvent Models: A Pt (111)/Water Interface Case Study. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 2703-2715.	2.3	32
49	General Protocol for the Accurate Prediction of Molecular <sup>13</sup> C/ <sup>1</sup> H NMR Chemical Shifts via Machine Learning Augmented DFT. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3746-3754.	2.5	53
50	How Collective Phenomena Impact CO <sub>2</sub> Reactivity and Speciation in Different Media. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3963-3975.	1.1	11
51	Selective acetylene hydrogenation over single metal atoms supported on Fe <sub>3</sub> O <sub>4</sub> (001): A first-principle study. <i>Journal of Chemical Physics</i> , 2020, 152, 154703.	1.2	12
52	Influence of Ag metal dispersion on the thermal conversion of ethanol to butadiene over Ag-ZrO <sub>2</sub> /SiO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , 2020, 386, 30-38.	3.1	22
53	Mechanistic Understanding of Catalytic Conversion of Ethanol to 1-Butene over 2D-Pillared MFI Zeolite. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28437-28447.	1.5	9
54	Understanding Heterolytic H <sub>2</sub> Cleavage and Water-Assisted Hydrogen Spillover on Fe <sub>3</sub> O <sub>4</sub> (001)-Supported Single Palladium Atoms. <i>ACS Catalysis</i> , 2019, 9, 7876-7887.	5.5	63

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55	Low-Temperature Oxidation of Methanol to Formaldehyde on a Model Single-Atom Catalyst: Pd Atoms on Fe <sub>3</sub> O <sub>4</sub> (001). ACS Catalysis, 2019, 9, 10977-10982.	5.5	50
56	Understanding the Role of Metal and Molecular Structure on the Electrocatalytic Hydrogenation of Oxygenated Organic Compounds. ACS Catalysis, 2019, 9, 9964-9972.	5.5	81
57	Norm-Conserving Pseudopotentials and Basis Sets To Explore Lanthanide Chemistry in Complex Environments. Journal of Chemical Theory and Computation, 2019, 15, 5987-5997.	2.3	46
58	Genesis and Stability of Hydronium Ions in Zeolite Channels. Journal of the American Chemical Society, 2019, 141, 3444-3455.	6.6	119
59	Chemical transformations of captured CO <sub>2</sub> into cyclic and polymeric carbonates. Journal of CO <sub>2</sub> Utilization, 2019, 32, 196-201.	3.3	20
60	Molecular Level Understanding of the Free Energy Landscape in Early Stages of Metal-Organic Framework Nucleation. Journal of the American Chemical Society, 2019, 141, 6073-6081.	6.6	23
61	Directed Hydrogen Bond Placement: Low Viscosity Amine Solvents for CO <sub>2</sub> Capture. ACS Sustainable Chemistry and Engineering, 2019, 7, 7535-7542.	3.2	34
62	Molecular Simulation of the Catalytic Regeneration of <sup>n</sup> BuLi through a Hydrometalation Route. Inorganic Chemistry, 2019, 58, 3033-3040.	1.9	2
63	Carboxyl intermediate formation via an in situ-generated metastable active site during water-gas shift catalysis. Nature Catalysis, 2019, 2, 916-924.	16.1	79
64	The Nature of Hydrogen Adsorption on Platinum in the Aqueous Phase. Angewandte Chemie, 2019, 131, 3565-3570.	1.6	2
65	Impact of pH on Aqueous-Phase Phenol Hydrogenation Catalyzed by Carbon-Supported Pt and Rh. ACS Catalysis, 2019, 9, 1120-1128.	5.5	55
66	The Nature of Hydrogen Adsorption on Platinum in the Aqueous Phase. Angewandte Chemie - International Edition, 2019, 58, 3527-3532.	7.2	62
67	Insights into the physical and chemical properties of a cement-polymer composite developed for geothermal wellbore applications. Cement and Concrete Composites, 2019, 97, 279-287.	4.6	22
68	Formation of Supported Graphene Oxide: Evidence for Enolate Species. Journal of the American Chemical Society, 2018, 140, 5102-5109.	6.6	14
69	Atomic Origins of the Self-Healing Function in Cement-Polymer Composites. ACS Applied Materials & Interfaces, 2018, 10, 3011-3019.	4.0	23
70	Molecular Level Investigation of CH <sub>4</sub> and CO <sub>2</sub> Adsorption in Hydrated Calcium-Montmorillonite. Journal of Physical Chemistry C, 2018, 122, 1125-1134.	1.5	26
71	Carbon-supported Pt during aqueous phenol hydrogenation with and without applied electrical potential: X-ray absorption and theoretical studies of structure and adsorbates. Journal of Catalysis, 2018, 368, 8-19.	3.1	49
72	Shedding light on black titania. Nature Materials, 2018, 17, 856-857.	13.3	19

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73	Mesoscopic Structure Facilitates Rapid CO <sub>2</sub> Transport and Reactivity in CO <sub>2</sub> Capture Solvents. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5765-5771.	2.1	19
74	A Combined Experimental and Theoretical Study on the Activity and Selectivity of the Electrocatalytic Hydrogenation of Aldehydes. <i>ACS Catalysis</i> , 2018, 8, 7645-7658.	5.5	76
75	Structural Rearrangement of Au-Pd Nanoparticles under Reaction Conditions: An <i>ab Initio</i> Molecular Dynamics Study. <i>ACS Nano</i> , 2017, 11, 1649-1658.	7.3	47
76	Trends in Homolytic Bond Dissociation Energies of Five- and Six-Coordinate Hydrides of Group 9 Transition Metals: Co, Rh, Ir. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1993-2000.	1.1	2
77	Probing equilibrium of molecular and deprotonated water on TiO <sub>2</sub> (110). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1801-1805.	3.3	90
78	Water-Lean Solvents for Post-Combustion CO <sub>2</sub> Capture: Fundamentals, Uncertainties, Opportunities, and Outlook. <i>Chemical Reviews</i> , 2017, 117, 9594-9624.	23.0	249
79	Polymer-Cement Composites with Self-Healing Ability for Geothermal and Fossil Energy Applications. <i>Chemistry of Materials</i> , 2017, 29, 4708-4718.	3.2	28
80	Phase-Change Aminopyridines as Carbon Dioxide Capture Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7534-7540.	1.8	14
81	Reinventing Design Principles for Developing Low-Viscosity Carbon Dioxide-Binding Organic Liquids for Flue Gas Clean Up. <i>ChemSusChem</i> , 2017, 10, 636-642.	3.6	26
82	Integrated Solvent Design for CO <sub>2</sub> Capture and Viscosity Tuning. <i>Energy Procedia</i> , 2017, 114, 726-734.	1.8	10
83	Are Water-lean Solvent Systems Viable for Post-Combustion CO <sub>2</sub> Capture?. <i>Energy Procedia</i> , 2017, 114, 756-763.	1.8	18
84	Dynamics, Stability, and Adsorption States of Water on Oxidized RuO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , 2017, 121, 18505-18515.	1.5	11
85	Heterogeneous catalysis in complex, condensed reaction media. <i>Catalysis Today</i> , 2017, 289, 231-236.	2.2	12
86	Light Makes a Surface Banana-Bond Split: Photodesorption of Molecular Hydrogen from RuO <sub>2</sub> (110). <i>Journal of the American Chemical Society</i> , 2016, 138, 8714-8717.	6.6	9
87	Anharmonicity and Confinement in Zeolites: Structure, Spectroscopy, and Adsorption Free Energy of Ethanol in H-ZSM-5. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7172-7182.	1.5	77
88	Structure-property reduced order model for viscosity prediction in single-component CO <sub>2</sub> -binding organic liquids. <i>Green Chemistry</i> , 2016, 18, 6004-6011.	4.6	20
89	CO Oxidation on Au/TiO <sub>2</sub> : Condition-Dependent Active Sites and Mechanistic Pathways. <i>Journal of the American Chemical Society</i> , 2016, 138, 10467-10476.	6.6	159
90	Dynamic Acid/Base Equilibrium in Single Component Switchable Ionic Liquids and Consequences on Viscosity. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1646-1652.	2.1	33

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91	Steam reforming of hydrocarbons from biomass-derived syngas over MgAl <sub>2</sub> O <sub>4</sub> -supported transition metals and bimetallic IrNi catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 142-152.	10.8	46
92	Structure, dynamics and stability of water/scCO <sub>2</sub> /mineral interfaces from ab initio molecular dynamics simulations. <i>Scientific Reports</i> , 2015, 5, 14857.	1.6	26
93	Impact of Nonadiabatic Charge Transfer on the Rate of Redox Chemistry of Carbon Oxides on Rutile TiO <sub>2</sub> (110) Surface. <i>ACS Catalysis</i> , 2015, 5, 1764-1771.	5.5	16
94	Dynamic formation of single-atom catalytic active sites on ceria-supported gold nanoparticles. <i>Nature Communications</i> , 2015, 6, 6511.	5.8	370
95	Use of Solvatochromism to Assay Preferential Solvation of a Prototypic Catalytic Site. <i>Topics in Catalysis</i> , 2015, 58, 258-270.	1.3	2
96	Competitive sorption of CO <sub>2</sub> and H <sub>2</sub> O in 2:1 layer phyllosilicates. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 248-257.	1.6	98
97	Deprotonated Water Dimers: The Building Blocks of Segmented Water Chains on Rutile RuO <sub>2</sub> (110). <i>Journal of Physical Chemistry C</i> , 2015, 119, 23552-23558.	1.5	33
98	Dimerization Induced Deprotonation of Water on RuO <sub>2</sub> (110). <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3445-3450.	2.1	47
99	Formation Mechanism of the Secondary Building Unit in a Chromium Terephthalate Metal-Organic Framework. <i>Chemistry of Materials</i> , 2014, 26, 6401-6409.	3.2	33
100	Microstructural Response of Variably Hydrated Ca-rich Montmorillonite to Supercritical CO <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2014, 48, 8612-8619.	4.6	52
101	Highly active and stable MgAl <sub>2</sub> O <sub>4</sub> -supported Rh and Ir catalysts for methane steam reforming: A combined experimental and theoretical study. <i>Journal of Catalysis</i> , 2014, 316, 11-23.	3.1	104
102	Comparative Investigation of Benzene Steam Reforming over Spinel Supported Rh and Ir Catalysts. <i>ACS Catalysis</i> , 2013, 3, 1133-1143.	5.5	39
103	Density Functional Simulations as a Tool To Probe Molecular Interactions in Wet Supercritical CO <sub>2</sub> . <i>ACS Symposium Series</i> , 2013, , 31-49.	0.5	1
104	The Role of Reducible Oxide-Metal Cluster Charge Transfer in Catalytic Processes: New Insights on the Catalytic Mechanism of CO Oxidation on Au/TiO <sub>2</sub> from ab Initio Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2013, 135, 10673-10683.	6.6	308
105	Raman spectrum of supercritical C <sup>18</sup> O <sub>2</sub> and re-evaluation of the Fermi resonance. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2560-2566.	1.3	25
106	Structure and Dynamics of CO <sub>2</sub> on Rutile TiO <sub>2</sub> (110)-1Å-1. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26322-26334.	1.5	60
107	Molecular interactions of SO <sub>2</sub> with carbonate minerals under co-sequestration conditions: A combined experimental and theoretical study. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 265-274.	1.6	30
108	The Role of Ir in Ternary Rh-Based Catalysts for Syngas Conversion to C <sub>2</sub> + Oxygenates. <i>Topics in Catalysis</i> , 2012, 55, 595-600.	1.3	13

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109	Cluster-Models for Uranyl(VI) Adsorption on $\gamma$ -Alumina. Journal of Physical Chemistry A, 2011, 115, 1257-1263.	1.1	32
110	Structure, dynamics and vibrational spectrum of supercritical CO <sub>2</sub> /H <sub>2</sub> O mixtures from ab initio molecular dynamics as a function of water cluster formation. Physical Chemistry Chemical Physics, 2010, 12, 8759.	1.3	51
111	Ethanol synthesis from syngas over Rh-based/SiO <sub>2</sub> catalysts: A combined experimental and theoretical modeling study. Journal of Catalysis, 2010, 271, 325-342.	3.1	174
112	Analysis of Bonding Patterns in the Valence Isoelectronic Series O <sub>3</sub> , S <sub>3</sub> , SO <sub>2</sub> , and OS <sub>2</sub> in Terms of Oriented Quasi-Atomic Molecular Orbitals. Journal of Physical Chemistry A, 2010, 114, 8923-8931.	1.1	31
113	Spontaneous Activation of CO <sub>2</sub> and Possible Corrosion Pathways on the Low-Index Iron Surface Fe(100). Journal of Physical Chemistry C, 2009, 113, 3691-3696.	1.5	58
114	Acid/base equilibria in clusters and their role in proton exchange membranes: computational insight. Physical Chemistry Chemical Physics, 2007, 9, 5752.	1.3	48
115	Molecular Simulation Analysis and X-ray Absorption Measurement of Ca <sup>2+</sup> , K <sup>+</sup> and Cl <sup>-</sup> Ions in Solution. Journal of Physical Chemistry B, 2006, 110, 23644-23654.	1.2	115
116	Electronic structure, statistical mechanical simulations, and EXAFS spectroscopy of aqueous potassium. Theoretical Chemistry Accounts, 2006, 115, 86-99.	0.5	63
117	Structure and Thermodynamics of Carbon and Carbon/Silicon Precursors to Nanostructures. Journal of the American Chemical Society, 2002, 124, 6144-6152.	6.6	5
118	Low-Frequency Raman Spectroscopy of n-Alcohols. LAM Vibration and Crystal Structure. Journal of Physical Chemistry B, 2002, 106, 4405-4411.	1.2	21
119	Properties of polyvinylchloride in solution: an hydrodynamic and vibrational spectroscopy study. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 1351-1356.	2.4	1
120	Systematic location of intersecting seams of conical intersection in triatomic molecules: The 1 <sup>st</sup> conical intersections in BH <sub>2</sub> . Journal of Chemical Physics, 1998, 108, 5657-5659.	1.2	30
121	Structure, Bonding, and Heats of Formation of Silatitanacyclobutanes. Journal of Physical Chemistry A, 1997, 101, 8714-8719.	1.1	8
122	Tailored Computational Approaches to Interrogate Heavy Element Chemistry and Structure in Condensed Phase. ACS Symposium Series, 0, , 219-245.	0.5	0