Bojana Ginovska

List of Publications by Year
in descending order

37 papers	1,081 citations	516710 16 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	1493 citing authors

#	Article	IF	Citations
1	Beyond the Active Site: The Impact of the Outer Coordination Sphere on Electrocatalysts for Hydrogen Production and Oxidation. Accounts of Chemical Research, 2014, 47, 2621-2630.	15.6	152
2	The radical mechanism of biological methane synthesis by methyl-coenzyme M reductase. Science, 2016, 352, 953-958.	12.6	129
3	The Role of Pendant Amines in the Breaking and Forming of Molecular Hydrogen Catalyzed by Nickel Complexes. Chemistry - A European Journal, 2012, 18, 6493-6506.	3.3	102
4	Tuning Catalytic Bias of Hydrogen Gas Producing Hydrogenases. Journal of the American Chemical Society, 2020, 142, 1227-1235.	13.7	55
5	Graphene oxide membranes with high permeability and selectivity for dehumidification of air. Carbon, 2016, 106, 164-170.	10.3	54
6	Analysis of the Activation and Heterolytic Dissociation of H₂ by Frustrated Lewis Pairs: NH₃/BX₃ (X = H, F, and Cl). Journal of Physical Chemistry A, 2012, 116, 7228-7237.	2.5	51
7	Achieving Reversible H₂/H⁺ Interconversion at Room Temperature with Enzyme-Inspired Molecular Complexes: A Mechanistic Study. ACS Catalysis, 2016, 6, 6037-6049.	11.2	49
8	Controlling Proton Delivery through Catalyst Structural Dynamics. Angewandte Chemie - International Edition, 2016, 55, 13509-13513.	13.8	48
9	Structural characterization of the P1+ intermediate state of the P-cluster of nitrogenase. Journal of Biological Chemistry, 2018, 293, 9629-9635.	3.4	44
10	The Role of a Dipeptide Outerâ€Coordination Sphere on H₂â€Production Catalysts: Influence on Catalytic Rates and Electron Transfer. Chemistry - A European Journal, 2013, 19, 1928-1941.	3.3	38
11	Enzyme Design from the Bottom Up: An Active Nickel Electrocatalyst with a Structured Peptide Outer Coordination Sphere. Chemistry - A European Journal, 2014, 20, 1510-1514.	3.3	34
12	Visualizing biomolecular electrostatics in virtual reality with UnityMolâ€APBS. Protein Science, 2020, 29, 237-246.	7.6	31
13	Charge-Dependent Cavity Radii for an Accurate Dielectric Continuum Model of Solvation with Emphasis on Ions: Aqueous Solutes with Oxo, Hydroxo, Amino, Methyl, Chloro, Bromo, and Fluoro Functionalities. Journal of Physical Chemistry A, 2008, 112, 10604-10613.	2.5	30
14	Single-Amino Acid Modifications Reveal Additional Controls on the Proton Pathway of [FeFe]-Hydrogenase. Biochemistry, 2016, 55, 3165-3173.	2.5	29
15	Optimizing conditions for utilization of an H₂ oxidation catalyst with outer coordination sphere functionalities. Dalton Transactions, 2016, 45, 9786-9793.	3.3	26
16	A Positive Charge in the Outer Coordination Sphere of an Artificial Enzyme Increases CO₂ Hydrogenation. Organometallics, 2020, 39, 1532-1544.	2.3	19
17	Photoswitching a molecular catalyst to regulate CO₂ hydrogenation. Dalton Transactions, 2015, 44, 14854-14864.	3.3	17
18	Reaction pathways and excited states in H2O2+OHâ†'HO2+H2O: A new <i>ab initio</i> investigation. Journal of Chemical Physics, 2007, 127, 084309.	3.0	16

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19	Investigating the role of chain and linker length on the catalytic activity of an H₂ production catalyst containing a Î²-hairpin peptide. Journal of Coordination Chemistry, 2016, 69, 1730-1747.	2.2	15
20	Active Hydrogenation Catalyst with a Structured, Peptide-Based Outer-Coordination Sphere. ACS Catalysis, 2012, 2, 2114-2118.	11.2	14
21	The H2O2+OHâ†’HO2+H2O reaction in aqueous solution from a charge-dependent continuum model of solvation. Journal of Chemical Physics, 2008, 129, 014506.	3.0	13
22	Note: Interionic potentials of mean force for Ca2+-Clâˆ’ in polarizable water. Journal of Chemical Physics, 2012, 136, .	3.0	12
23	Solid-State NMR Identification of Intermolecular Interactions in Amelogenin Bound to Hydroxyapatite. Biophysical Journal, 2018, 115, 1666-1672.	0.5	12
24	Nickelâ€“Sulfonate Mode of Substrate Binding for Forward and Reverse Reactions of Methyl-SCoM Reductase Suggest a Radical Mechanism Involving Long-Range Electron Transfer. Journal of the American Chemical Society, 2021, 143, 5481-5496.	13.7	12
25	Modeling the Reaction of Fe Atoms with CCl₄. Journal of Physical Chemistry C, 2009, 113, 1830-1836.	3.1	11
26	Chokepoints in Mechanical Coupling Associated with Allosteric Proteins: The Pyruvate Kinase Example. Biophysical Journal, 2019, 116, 1598-1608.	0.5	10
27	Heterolytic Scission of Hydrogen Within a Crystalline Frustrated Lewis Pair. Inorganic Chemistry, 2020, 59, 15295-15301.	4.0	8
28	Mechanical coupling in the nitrogenase complex. PLoS Computational Biology, 2021, 17, e1008719.	3.2	8
29	Understanding ionâ€“ion interactions in bulk and aqueous interfaces using molecular simulations. Faraday Discussions, 2013, 160, 151-160.	3.2	7
30	Heterolysis of H2Across a Classical Lewis Pair, 2,6-Lutidineâ‹…BCl3: Synthesis, Characterization, and Mechanism. Chemistry - A European Journal, 2015, 21, 15713-15719.	3.3	6
31	CHAPTER 8. Biochemistry of Methyl-Coenzyme M Reductase. 2-Oxoglutarate-Dependent Oxygenases, 0, , 149-169.	0.8	6
32	Analysis of Intermediates and Products from the Dehydrogenation of Mg(BH₄)₂. Journal of Physical Chemistry A, 2022, 126, 444-452.	2.5	6
33	Determinants of Selectivity for the Formation of Monocyclic and Bicyclic Products in Monoterpene Synthases. ACS Catalysis, 2022, 12, 7453-7469.	11.2	6
34	Splitting of multiple hydrogen molecules by bioinspired diniobium metal complexes: a DFT study. Dalton Transactions, 2021, 50, 840-849.	3.3	5
35	About the Barriers to Reaction of CCl₄ with HFeOH and FeCl₂. Journal of Physical Chemistry A, 2011, 115, 8713-8720.	2.5	4
36	Exploring Detailed Reaction Pathways for Hydrogen Storage with Borohydrides Using DFT Calculations. Energy & Fuels, 2022, 36, 5513-5527.	5.1	2

#	Article	IF	Citations
37	<i>De novo</i>sequencing and native mass spectrometry revealed hetero-association of dirigent protein homologs and potential interacting proteins in<i>Forsythia</i>Ã—<i>intermedia</i>. Analyst, The, 2021, 146, 7670-7681.	3.5	0