

Yury Minenkov

List of Publications by Year in descending order

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papers

2,785
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304368

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all docs

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docs citations

49
times ranked

4139
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-phase thermochemistry of polycyclic aromatic hydrocarbons: an approach integrating the quantum chemistry composite scheme and reaction generator. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3163-3181.	1.3	8
2	Molecular Structure of Nickel Octamethylporphyrin—Rare Experimental Evidence of a Ruffling Effect in Gas Phase. <i>International Journal of Molecular Sciences</i> , 2022, 23, 320.	1.8	4
3	â€œIn Vitroâ€ and â€œIn Vivoâ€ Diagnostic Check for the Thermochemistry of Metalâ€ Organic Compounds. <i>Inorganic Chemistry</i> , 2022, 61, 10743-10755.	1.9	2
4	Ambiguities in solvation free energies from cluster-continuum quasichemical theory: lithium cation in protic and aprotic solvents. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16077-16088.	1.3	10
5	Thermochemistry of 5,10,15,20-tetraphenylporphyrin. <i>Journal of Chemical Thermodynamics</i> , 2020, 151, 106244.	1.0	6
6	Mechanistic Insight into the Photoredox-Nickel-HAT Triple Catalyzed Arylation and Alkylation of Î±-Amino C_{sp³}â€H Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 16942-16952.	6.6	69
7	Effect of fused triphenylamine core in star-shaped donor-â€ acceptor molecules on their physicochemical properties and performance in bulk heterojunction organic solar cells. <i>Dyes and Pigments</i> , 2020, 177, 108260.	2.0	18
8	Star-shaped benzotriindole-based donor-acceptor molecules: Synthesis, properties and application in bulk heterojunction and single-material organic solar cells. <i>Dyes and Pigments</i> , 2020, 181, 108523.	2.0	21
9	Gas-Phase Thermochemistry of MX₃ and M₂X₆ (M = Sc, Y; X = F, Cl). <i>Journal of Physical Chemistry</i> , 2020, 59, 17084-17095.	1.9	6
10	A Robust and Costâ€ Efficient Scheme for Accurate Conformational Energies of Organic Molecules. <i>ChemPhysChem</i> , 2019, 20, 92-102.	1.0	27
11	Evaluation of experimental alkali metal ionâ€ ligand noncovalent bond strengths with DLPNO-CCSD(T) method. <i>Journal of Chemical Physics</i> , 2019, 151, 014301.	1.2	8
12	Gas Phase Silver Thermochemistry from First Principles. <i>Inorganic Chemistry</i> , 2019, 58, 7873-7885.	1.9	10
13	Structural and Energetic Impact of Nonâ€ natural 7â€ Deazaâ€ 8â€ Azaguanine, 7â€ Deazaâ€ 8â€ Azaisoguanine, and Their 7â€ Substituted Derivatives on Hydrogenâ€ Bond Pairing with Cytosine and Isocytosine. <i>ChemBioChem</i> , 2019, 20, 2262-2270.	1.3	4
14	Unprecedented Diastereoselective Arylogous Michael Addition of Unactivated Phthalides. <i>Chemistry - A European Journal</i> , 2019, 25, 7043-7043.	1.7	0
15	Unprecedented Diastereoselective Arylogous Michael Addition of Unactivated Phthalides. <i>Chemistry - A European Journal</i> , 2019, 25, 7131-7141.	1.7	7
16	Ligand-Controlled Chemoselective C(acyl)â€ O Bond vs C(aryl)â€ C Bond Activation of Aromatic Esters in Nickel Catalyzed C(sp²)-C(sp³) Cross-Couplings. <i>Journal of the American Chemical Society</i> , 2018, 140, 3724-3735.	6.6	154
17	A Silica-Supported Monoalkylated Tungsten Dioxo Complex Catalyst for Olefin Metathesis. <i>ACS Catalysis</i> , 2018, 8, 2715-2729.	5.5	38
18	Communication: An improved linear scaling perturbative triples correction for the domain based local pair-natural orbital based singles and doubles coupled cluster method [DLPNO-CCSD(T)]. <i>Journal of Chemical Physics</i> , 2018, 148, 011101.	1.2	402

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19	Insights into the Catalytic Activity of [Pd(NHC)(cin)Cl] (NHC=IPr, IPr^{Cl}, IPr^{Br}) Complexes in the Suzuki–Miyaura Reaction. <i>ChemCatChem</i> , 2018, 10, 601-611.	1.8	21
20	Application of Semiempirical Methods to Transition Metal Complexes: Fast Results but Hard-to-Predict Accuracy. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 3428-3439.	2.3	36
21	Metathetic Oxidation of 2-Butenes to Acetaldehyde by Molecular Oxygen Using the Single-Site Olefin Metathesis Catalyst (â% ₂ SiO) ₂ Mo(â•O) ₂ . <i>ACS Catalysis</i> , 2018, 8, 7549-7555.	5.5	21
22	Accurate Gas Phase Formation Enthalpies of Alloys and Refractories Decomposition Products. <i>Inorganic Chemistry</i> , 2017, 56, 1386-1401.	1.9	17
23	Pair natural orbital and canonical coupled cluster reaction enthalpies involving light to heavy alkali and alkaline earth metals: the importance of sub-valence correlation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9374-9391.	1.3	43
24	Switchable Diastereoselectivity in the Fluoride-Promoted Vinylogous Mukaiyama–Michael Reaction of 2-[(Trimethylsilyl)oxy]furan Catalyzed by Crown Ethers. <i>Journal of Organic Chemistry</i> , 2017, 82, 6629-6637.	1.7	9
25	Well-Defined Silica Grafted Molybdenum Bis(imido) Catalysts for Imine Metathesis Reactions. <i>Organometallics</i> , 2017, 36, 1550-1556.	1.1	12
26	Accurate experimental and theoretical enthalpies of association of TiCl ₄ with typical Lewis bases used in heterogeneous Ziegler–Natta catalysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26996-27006.	1.3	30
27	Ground-State Gas-Phase Structures of Inorganic Molecules Predicted by Density Functional Theory Methods. <i>ACS Omega</i> , 2017, 2, 8373-8387.	1.6	14
28	Heats of Formation of Medium-Sized Organic Compounds from Contemporary Electronic Structure Methods. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 3537-3560.	2.3	45
29	Treating Subvalence Correlation Effects in Domain Based Pair Natural Orbital Coupled Cluster Calculations: An Out-of-the-Box Approach. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 3220-3227.	2.3	45
30	Catalytic $\hat{1}\pm$ -Arylation of Imines Leading to N-Unprotected Indoles and Azaindoles. <i>ACS Catalysis</i> , 2016, 6, 2930-2938.	5.5	26
31	Troubles in the Systematic Prediction of Transition Metal Thermochemistry with Contemporary Out-of-the-Box Methods. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 1542-1560.	2.3	42
32	Tungsten(VI) Carbyne/Bis(carbene) Tautomerization Enabled by N–Donor SBA15 Surface Ligands: A Solid–State NMR and DFT Study. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11162-11166.	7.2	13
33	Controlling the hydrogenolysis of silica-supported tungsten pentamethyl leads to a class of highly electron deficient partially alkylated metal hydrides. <i>Chemical Science</i> , 2016, 7, 1558-1568.	3.7	53
34	Cooperative Effect of Monopodal Silica-Supported Niobium Complex Pairs Enhancing Catalytic Cyclic Carbonate Production. <i>Journal of the American Chemical Society</i> , 2015, 137, 7728-7739.	6.6	123
35	N-heterocyclic carbene copper (<sc>i</sc>) catalysed N-methylation of amines using CO ₂ . <i>Dalton Transactions</i> , 2015, 44, 18138-18144.	1.6	81
36	Accuracy of DLPNO–CCSD(T) Method for Noncovalent Bond Dissociation Enthalpies from Coinage Metal Cation Complexes. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4664-4676.	2.3	85

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37	A Highly Selective Copper–Indium Bimetallic Electrocatalyst for the Electrochemical Reduction of Aqueous CO ₂ to CO. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2146-2150.	7.2	403
38	Complete Reaction Pathway of Ruthenium-Catalyzed Olefin Metathesis of Ethyl Vinyl Ether: Kinetics and Mechanistic Insight from DFT. <i>Organometallics</i> , 2013, 32, 2099-2111.	1.1	71
39	The accuracy of DFT-optimized geometries of functional transition metal compounds: a validation study of catalysts for olefin metathesis and other reactions in the homogeneous phase. <i>Dalton Transactions</i> , 2012, 41, 5526.	1.6	429
40	Molecular structure and bonding in octamethylporphyrin tin(ii), SnN ₄ C ₂₈ H ₂₈ . <i>Dalton Transactions</i> , 2012, 41, 7550.	1.6	23
41	The Nature of the Barrier to Phosphane Dissociation from Grubbs Olefin Metathesis Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1507-1516.	1.0	38
42	Thermodynamic and kinetic characteristics of liquid phase hydrogenation of substituted nitrobenzenes. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 908-912.	0.1	0
43	Neutral Nickel Oligo- and Polymerization Catalysts: The Importance of Alkyl Phosphine Intermediates in Chain Termination. <i>Chemistry - A European Journal</i> , 2011, 17, 14628-14642.	1.7	16
44	Octamethylporphyrin copper, C ₂₈ H ₂₈ N ₄ Cu – A first experimental structure determination of porphyrins in gas phase. <i>Journal of Molecular Structure</i> , 2010, 978, 163-169.	1.8	16
45	On the nature of the active site in ruthenium olefin coordination–insertion polymerization catalysts†. <i>Journal of Molecular Catalysis A</i> , 2010, 324, 64-74.	4.8	8
46	Metal–Phosphine Bond Strengths of the Transition Metals: A Challenge for DFT. <i>Journal of Physical Chemistry A</i> , 2009, 113, 11833-11844.	1.1	127
47	16OSTM10: A new open-shell transition metal conformational energies database to challenge contemporary semiempirical and force field methods. <i>Physical Chemistry Chemical Physics</i> , 0, , .	1.3	5