

Samat N Tussupbayev

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,783
citations

759055

12
h-index

839398

18
g-index

19
all docs

19
docs citations

19
times ranked

3262
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmark study of the performance of density functional theory for reduction potentials of vanadium compounds. <i>Chemical Bulletin of Kazakh National University</i> , 2020, , 14-21.	0.1	0
2	Synthesis and reactivity of a mononuclear non-haem cobalt(IV)-oxo complex. <i>Nature Communications</i> , 2017, 8, 14839.	5.8	132
3	Chemoselective Coupling of 1,1-Bis[(pinacolato)boryl]alkanes for the Transition-Metal-Free Borylation of Aryl and Vinyl Halides: A Combined Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , 2017, 139, 976-984.	6.6	61
4	Computer-aided rational design of Fe(π -allyl)-catalysts for the selective formation of cyclic carbonates from CO ₂ and internal epoxides. <i>Catalysis Science and Technology</i> , 2017, 7, 4375-4387.	2.1	34
5	Single-Site Organozirconium Catalyst Embedded in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2015, 137, 15680-15683.	6.6	103
6	Comparison of Real-Time and Linear-Response Time-Dependent Density Functional Theories for Molecular Chromophores Ranging from Sparse to High Densities of States. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1102-1109.	2.3	98
7	Insight into the Oriented Growth of Surface-Attached Metal-Organic Frameworks: Surface Functionality, Deposition Temperature, and First Layer Order. <i>Journal of the American Chemical Society</i> , 2015, 137, 8237-8243.	6.6	95
8	Targeted Single-Site MOF Node Modification: Trivalent Metal Loading via Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2015, 27, 4772-4778.	3.2	116
9	A Hafnium-Based Metal-Organic Framework as a Nature-Inspired Tandem Reaction Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 13624-13631.	6.6	137
10	Efficient Access to Substituted Silafluorenes by Nickel-Catalyzed Reactions of Biphenylenes with Et ₂ SiH ₂ . <i>Chemistry - an Asian Journal</i> , 2014, 9, 3163-3173.	1.7	9
11	A Hafnium-Based Metal-Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO ₂ Fixation and Regioselective and Enantioselective Epoxide Activation. <i>Journal of the American Chemical Society</i> , 2014, 136, 15861-15864.	6.6	470
12	Defining the Proton Topology of the Zr ₆ -Based Metal-Organic Framework NU-1000. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3716-3723.	2.1	228
13	A Mechanistic Study of the Utilization of η^5 -Cp*Ir(III)-Diruthenaborane [(Cp* π -RuCO) ₂ B ₂ H ₆] as an Active Alkyne-Cyclotrimerization Catalyst. <i>Chemistry - A European Journal</i> , 2012, 18, 8482-8489.	1.7	55
14	Ammonia formation by metal-ligand cooperative hydrogenolysis of a nitrido ligand. <i>Nature Chemistry</i> , 2011, 3, 532-537.	6.6	204
15	Computational Study of C-C Coupling on Diruthenium Bis(η^4 -vinyl) Ethylene π -Complex. <i>Organometallics</i> , 2009, 28, 3029-3039.	1.1	7
16	Dynamics of Si-H-Si Bridges in Agostically Stabilized Silylium Ions. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1199-1209.	1.1	12
17	Computational Study of the C-H Bond Activation in Ethylene on a Binuclear Ruthenium Complex. <i>Organometallics</i> , 2008, 27, 3681-3692.	1.1	8
18	DFT Study of Hydride Exchange in a Binuclear Ruthenium Complex. <i>Organometallics</i> , 2007, 26, 56-64.	1.1	11