

Athanasios Zavras

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

537
citations

516561

16
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642610

23
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all docs

27
docs citations

27
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the ligated Ag ₆₀ nanoparticle [Cl@Ag ₁₂]@Ag ₄₈ (dppm) ₁₂ (where) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf, 50 742	0.6	7
2	Non-Aqueous Microwave-Assisted Syntheses of Deca- and Hexa-Molybdovanadates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8568-8572.	7.2	25
3	Selectivity Effects in Bimetallic Catalysis: Role of the Metal Sites in the Decomposition of Formic Acid into H ₂ and CO ₂ by the Coinage Metal Binuclear Complexes [dppmMM ² (H)] ⁺ . <i>ChemCatChem</i> , 2017, 9, 1298-1302.	1.8	33
4	Gas-Phase Ion-Molecule Reactions of Copper Hydride Anions [CuH ₂] ⁻ and [Cu ₂ H ₃] ⁻ . <i>Inorganic Chemistry</i> , 2017, 56, 2387-2399.	1.9	32
5	Gas-Phase Structural and Optical Properties of Homo- and Heterobimetallic Rhombic Dodecahedral Nanoclusters [Ag ₁₄ (i)nCu _n (C ₆₀ i ₁₂ Bu) ₁₂ X] ⁺ (X = Cl). Tj ETQq1 1 0.7843 2017, 121, 10719-10727.	1.9	32
6	Nicht-Ässrige mikrowellengestÄtzte Synthesen von Deca- und Hexamolybdovanadaten. <i>Angewandte Chemie</i> , 2017, 129, 8691-8695.	1.6	5
7	ESI/MS investigation of routes to the formation of silver hydride nanocluster dications [Ag _x H ₂ L _y] ²⁺ and gas-phase unimolecular chemistry of [Ag ₁₀ H ₈ L ₆] ²⁺ . <i>International Journal of Mass Spectrometry</i> , 2017, 413, 97-105.	0.7	13
8	Ligand-induced substrate steering and reshaping of [Ag ₂ (H)] ⁺ scaffold for selective CO ₂ extrusion from formic acid. <i>Nature Communications</i> , 2016, 7, 11746.	5.8	66
9	An unusual co-crystal [(1/4) ₂ -dcpm)Ag ₂ (1/4) ₂ -O ₂ CH)(1 ⁺ -NO ₃)] ₂ and its connection to the selective decarboxylation of formic acid in the gas phase. <i>Dalton Transactions</i> , 2016, 45, 19408-19415.	1.6	12
10	Two Spin-State Reactivity in the Activation and Cleavage of CO ₂ by [ReO ₂] ⁻ . <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1934-1938.	2.1	19
11	Blue "turn-on" fluorescent probes for the direct detection of free radicals and nitric oxide in <i>Pseudomonas aeruginosa</i> biofilms. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2272-2281.	1.5	17
12	Gas-Phase Reactions of the Rhenium Oxide Anions, [ReO _x] ⁻ (x = 0, 1, 2, 3, 4). Tj ETQq0 0 0 rgBT /Overlock 0.5 9 <i>Journal of Mass Spectrometry</i> , 2015, 21, 557-567.	0.5	9
13	Bis(dimethylphosphino)methane-ligated silver chloride, cyanide and hydride cluster cations: Synthesis and gas-phase unimolecular reactivity. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 86-94.	0.7	10
14	Prying open a Reactive Site for Allylic Arylation by Phosphine-Ligated Geminally Diaurated Aryl Complexes. <i>Organometallics</i> , 2015, 34, 3255-3263.	1.1	9
15	Gas-phase VUV photoionisation and photofragmentation of the silver deuteride nanocluster [Ag ₁₀ D ₈ L ₆] ²⁺ (L = bis(diphenylphosphino)methane). A joint experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25772-25777.	1.3	25
16	Decomposition of nitroimidazole ions: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12598-12607.	1.3	31
17	Synthesis, structure and gas-phase reactivity of the mixed silver hydride borohydride nanocluster [Ag ₃ (1/4) ₃ -H)(1/4) ₃ -BH ₄ L ⁺ Ph ₃] ⁺ . Tj ETQq1 1 0.7843 2016, 126, 10719-10727.	1.3	25
18	Modular Molecules: Site-Selective Metal Substitution, Photoreduction, and Chirality in Polyoxometalate Hybrids. <i>Chemistry - A European Journal</i> , 2014, 20, 14102-14111.	1.7	30

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19	Gas Phase Formation, Structure and Reactivity of Gold Cluster Ions. Structure and Bonding, 2014, , 139-230.	1.0	3
20	Synthesis, Structural Characterization, and Gas-Phase Unimolecular Reactivity of the Silver Hydride Nanocluster $[Ag_3((PPh_2)CH_2)_3(\mu_3-H)](BF_4)_2$. Inorganic Chemistry, 2014, 53, 7429-7437.	1.9	38
21	Formation and Characterisation of the Silver Hydride Nanocluster Cation $[Ag_3H_2((Ph)_2P)_2CH_2]^+$ and its Release of Hydrogen. Chemistry - A European Journal, 2014, 20, 16626-16633.	1.7	20
22	Bis(diphenylphosphino)methane ligated gold cluster cations: Synthesis and gas-phase unimolecular reactivity. International Journal of Mass Spectrometry, 2013, 354-355, 242-248.	0.7	18
23	Rücktitelbild: Synthesis, Structure and Gas-Phase Reactivity of a Silver Hydride Complex $[Ag_3\{(PPh_2)CH_2\}_3(\mu_3-H)(\mu_3-Cl)]BF_4$ (Angew. Chem. 32/2013). Angewandte Chemie, 2013, 125, 8632-8632.	1.6	1
24	Synthesis, Structure and Gas-Phase Reactivity of a Silver Hydride Complex $[Ag_3\{(PPh)_2\}_2CH_2\}_3(\mu_3-H)(\mu_3-Cl)]BF_4$ Angewandte Chemie - International Edition, 2013, 52, 8391-8394.		
25	2-Pyridylmethylphosphonic acid: a flexible, multi-dentate ligand for metal phosphonates. CrystEngComm, 2011, 13, 3551.	1.3	20