

Nicole J Rijs

List of Publications by Year in descending order

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papers

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567281

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21
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441
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Phase Studies of the Pesci Decarboxylation Reaction: Synthesis, Structure, and Unimolecular and Bimolecular Reactivity of Organometallic Ions. <i>Accounts of Chemical Research</i> , 2015, 48, 329-340.	15.6	107
2	Gas-Phase Synthesis of the Homo and Hetero Organocuprate Anions [MeCuMe] ⁺ , [EtCuEt] ⁺ , and [MeCuR] ⁺ . <i>Journal of the American Chemical Society</i> , 2008, 130, 1069-1079.	13.7	77
3	Unimolecular Reactions of Organocuprates and Organoargentates. <i>Organometallics</i> , 2010, 29, 2282-2291.	2.3	61
4	Gas-Phase Synthesis of Organoargentate Anions and Comparisons with Their Organocuprate Analogues. <i>Organometallics</i> , 2009, 28, 2684-2692.	2.3	52
5	Forming trifluoromethylmetallates: competition between decarboxylation and C–F bond activation of group 11 trifluoroacetate complexes, [CF ₃ CO ₂ ML] ⁺ . <i>Dalton Transactions</i> , 2012, 41, 3395.	3.3	49
6	Gas-Phase Reactivity of Group 11 Dimethylmetallates with Allyl Iodide. <i>Journal of the American Chemical Society</i> , 2012, 134, 2569-2580.	13.7	48
7	Ligand-Controlled CO ₂ Activation Mediated by Cationic Titanium Hydride Complexes, [LTiH] ⁺ (L=Cp ₂ , O). <i>Chemistry - A European Journal</i> , 2015, 21, 8483-8490.	3.3	38
8	Dimethylcuprate Undergoes a Dyotropic Rearrangement. <i>Chemistry - A European Journal</i> , 2010, 16, 2674-2678.	3.3	37
9	Gas phase synthesis and reactivity of dimethylaurate. <i>Dalton Transactions</i> , 2010, 39, 8655.	3.3	35
10	Penetrating the Elusive Mechanism of Copper-Mediated Fluoromethylation in the Presence of Oxygen through the Gas-Phase Reactivity of Well-Defined [LCuO] ⁺ Complexes with Fluoromethanes (CH ₃ F _{4-n} , n = 1–3). <i>Journal of the American Chemical Society</i> , 2016, 138, 3125-3135.	13.7	32
11	On divorcing isomers, dissecting reactivity, and resolving mechanisms of propane CH and aryl CX (X=halogen) bond activations mediated by a ligated copper(III) oxo complex. <i>Chemical Physics Letters</i> , 2014, 608, 408-424.	2.6	30
12	Dimethylcuprate-Catalyzed Decarboxylative Coupling of Allyl Acetate. <i>Organometallics</i> , 2012, 31, 8012-8023.	2.3	27
13	Unraveling Organocuprate Complexity: Fundamental Insights into Intrinsic Group Transfer Selectivity in Alkylation Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 1320-1334.	3.2	21
14	On the Activation of Methane and Carbon Dioxide by [HTaO] ⁺ and [TaOH] ⁺ in the Gas Phase: A Mechanistic Study. <i>Chemistry - A European Journal</i> , 2016, 22, 10581-10589.	3.3	16
15	Theoretical Approaches To Estimating Homolytic Bond Dissociation Energies of Organocopper and Organosilver Compounds. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8910-8917.	2.5	15
16	Effect of Adduct Formation with Molecular Nitrogen on the Measured Collisional Cross Sections of Transition Metal–1,10-Phenanthroline Complexes in Traveling Wave Ion-Mobility Spectrometry: N ₂ Is Not Always an “Inert” Buffer Gas. <i>Analytical Chemistry</i> , 2015, 87, 9769-9776.	6.5	14
17	Reaction Monitoring and Structural Characterisation of Coordination Driven Self-Assembled Systems by Ion Mobility-Mass Spectrometry. <i>Frontiers in Chemistry</i> , 2021, 9, 682743.	3.6	11
18	Ligand Effects on the Reactivity of [CoX] ⁺ (X=CN, F, Cl, Br, O, OH) Towards CO ₂ : Gas-Phase Generation of the Elusive Cyanofornate by [Co(CN)] ⁺ and [Fe(CN)] ⁺ . <i>Topics in Catalysis</i> , 2018, 61, 575-584.	2.8	9

#	ARTICLE	IF	CITATIONS
19	Co-existence of five- and six-coordinate iron(II) species captured in a geometrically strained spin-crossover Hofmann framework. Dalton Transactions, 2022, 51, 9596-9600.	3.3	1