Donald M Camaioni

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Controlling Reaction Routes in Nobleâ€Metalâ€Catalyzed Conversion of Aryl Ethers. Angewandte Chemie - International Edition, 2022, 61, .	13.8	3
2	Directing the Rateâ€Enhancement for Hydronium Ion Catalyzed Dehydration via Organization of Alkanols in Nanoscopic Confinements. Angewandte Chemie, 2021, 133, 2334-2341.	2.0	4
3	Hydrogen Bonding Enhances the Electrochemical Hydrogenation of Benzaldehyde in the Aqueous Phase. Angewandte Chemie, 2021, 133, 294-300.	2.0	12
4	Hydrogen Bonding Enhances the Electrochemical Hydrogenation of Benzaldehyde in the Aqueous Phase. Angewandte Chemie - International Edition, 2021, 60, 290-296.	13.8	40
5	Directing the Rateâ€Enhancement for Hydronium Ion Catalyzed Dehydration via Organization of Alkanols in Nanoscopic Confinements. Angewandte Chemie - International Edition, 2021, 60, 2304-2311.	13.8	19
6	Differences in Mechanism and Rate of Zeolite-Catalyzed Cyclohexanol Dehydration in Apolar and Aqueous Phase. ACS Catalysis, 2021, 11, 2879-2888.	11.2	26
7	Rate enhancement of phenol hydrogenation on Pt by hydronium ions in the aqueous phase. Journal of Catalysis, 2021, 404, 579-593.	6.2	16
8	The Critical Role of Reductive Steps in the Nickelâ€Catalyzed Hydrogenolysis and Hydrolysis of Aryl Ether Câˆ’O Bonds. Angewandte Chemie - International Edition, 2020, 59, 1445-1449.	13.8	40
9	The Critical Role of Reductive Steps in the Nickelâ€Catalyzed Hydrogenolysis and Hydrolysis of Aryl Ether Câˆ’O Bonds. Angewandte Chemie, 2020, 132, 1461-1465.	2.0	6
10	Copper-zirconia interfaces in UiO-66 enable selective catalytic hydrogenation of CO2 to methanol. Nature Communications, 2020, 11, 5849.	12.8	86
11	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cuâ€exchanged Mordenite. Chemistry - A European Journal, 2020, 26, 7515-7515.	3.3	3
12	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cuâ€Exchanged Mordenite. Chemistry - A European Journal, 2020, 26, 7563-7567.	3.3	31
13	Aqueous phase catalytic and electrocatalytic hydrogenation of phenol and benzaldehyde over platinum group metals. Journal of Catalysis, 2020, 382, 372-384.	6.2	68
14	Hydrodeoxygenation of phenolic compounds to cycloalkanes over supported nickel phosphides. Catalysis Today, 2019, 319, 48-56.	4.4	47
15	Genesis and Stability of Hydronium Ions in Zeolite Channels. Journal of the American Chemical Society, 2019, 141, 3444-3455.	13.7	119
16	Selective Methane Oxidation to Methanol on Cu-Oxo Dimers Stabilized by Zirconia Nodes of an NU-1000 Metalâ€"Organic Framework. Journal of the American Chemical Society, 2019, 141, 9292-9304.	13.7	131
17	Impact of pH on Aqueous-Phase Phenol Hydrogenation Catalyzed by Carbon-Supported Pt and Rh. ACS Catalysis, 2019, 9, 1120-1128.	11.2	55
18	Kinetic Coupling of Water Splitting and Photoreforming on SrTiO₃-Based Photocatalysts. ACS Catalysis, 2018, 8, 2902-2913.	11.2	36

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19	Hydrogenation of benzaldehyde via electrocatalysis and thermal catalysis on carbon-supported metals. Journal of Catalysis, 2018, 359, 68-75.	6.2	116
20	Solvent-determined mechanistic pathways in zeolite-H-BEA-catalysed phenol alkylation. Nature Catalysis, 2018, 1, 141-147.	34.4	85
21	Palladiumâ€Catalyzed Reductive Insertion of Alcohols into Aryl Ether Bonds. Angewandte Chemie - International Edition, 2018, 57, 3747-3751.	13.8	27
22	Palladiumâ€Catalyzed Reductive Insertion of Alcohols into Aryl Ether Bonds. Angewandte Chemie, 2018, 130, 3809-3813.	2.0	11
23	Elementary Steps of Faujasite Formation Followed by in Situ Spectroscopy. Chemistry of Materials, 2018, 30, 888-897.	6.7	29
24	Ni₃P as a high-performance catalytic phase for the hydrodeoxygenation of phenolic compounds. Green Chemistry, 2018, 20, 609-619.	9.0	86
25	Sinterâ€Resistant Platinum Catalyst Supported by Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2018, 57, 909-913.	13.8	88
26	Carbon-supported Pt during aqueous phenol hydrogenation with and without applied electrical potential: X-ray absorption and theoretical studies of structure and adsorbates. Journal of Catalysis, 2018, 368, 8-19.	6.2	49
27	Well-Defined Rhodiumâ€“Gallium Catalytic Sites in a Metalâ€“Organic Framework: Promoter-Controlled Selectivity in Alkyne Semihydrogenation to <i>E</i>-Alkenes. Journal of the American Chemical Society, 2018, 140, 15309-15318.	13.7	88
28	Aqueous Phase Hydrodeoxygenation of Phenol over Ni₃P-CePO₄ Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 10216-10225.	3.7	36
29	Palladiumâ€Catalyzed Hydrolytic Cleavage of Aromatic Câ[*]O Bonds. Angewandte Chemie - International Edition, 2017, 56, 2110-2114.	13.8	89
30	Palladiumâ€Catalyzed Hydrolytic Cleavage of Aromatic Câ^'O Bonds. Angewandte Chemie, 2017, 129, 2142-2146.	2.0	71
31	Enhancing the catalytic activity of hydronium ions through constrained environments. Nature Communications, 2017, 8, 14113.	12.8	94
32	Mechanism of Phenol Alkylation in Zeolite H-BEA Using In Situ Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2017, 139, 9178-9185.	13.7	56
33	Tailoring nanoscopic confines to maximize catalytic activity of hydronium ions. Nature Communications, 2017, 8, 15442.	12.8	51
34	²⁷Al MAS NMR Studies of HBEA Zeolite at Low to High Magnetic Fields. Journal of Physical Chemistry C, 2017, 121, 12849-12854.	3.1	37
35	Methane Oxidation to Methanol Catalyzed by Cu-Oxo Clusters Stabilized in NU-1000 Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 10294-10301.	13.7	282
36	Hydronium-Ion-Catalyzed Elimination Pathways of Substituted Cyclohexanols in Zeolite H-ZSM5. ACS Catalysis, 2017, 7, 7822-7829.	11.2	22

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37	Stability of Zeolites in Aqueous Phase Reactions. Chemistry of Materials, 2017, 29, 7255-7262.	6.7	55
38	Bridging Zirconia Nodes within a Metalâ€"Organic Framework via Catalytic Ni-Hydroxo Clusters to Form Heterobimetallic Nanowires. Journal of the American Chemical Society, 2017, 139, 10410-10418.	13.7	74
39	Pore-Engineered Metalâ€"Organic Frameworks with Excellent Adsorption of Water and Fluorocarbon Refrigerant for Cooling Applications. Journal of the American Chemical Society, 2017, 139, 10601-10604.	13.7	128
40	Electrocatalytic Hydrogenation of Phenol over Platinum and Rhodium: Unexpected Temperature Effects Resolved. ACS Catalysis, 2016, 6, 7466-7470.	11.2	86
41	Dehydration Pathways of 1-Propanol on HZSM-5 in the Presence and Absence of Water. Journal of the American Chemical Society, 2015, 137, 15781-15794.	13.7	110
42	Impact of Zeolite Aging in Hot Liquid Water on Activity for Acid-Catalyzed Dehydration of Alcohols. Journal of the American Chemical Society, 2015, 137, 10374-10382.	13.7	63
43	Impact of Aqueous Medium on Zeolite Framework Integrity. Chemistry of Materials, 2015, 27, 3533-3545.	6.7	50
44	Sealed rotors for in situ high temperature high pressure MAS NMR. Chemical Communications, 2015, 51, 13458-13461.	4.1	46
45	Following Solidâ€Acidâ€Catalyzed Reactions by MAS NMR Spectroscopy in Liquid Phaseâ€"Zeoliteâ€Catalyzed Conversion of Cyclohexanol in Water. Angewandte Chemie - International Edition, 2014, 53, 479-482.	13.8	57
46	Quantitatively Probing the Al Distribution in Zeolites. Journal of the American Chemical Society, 2014, 136, 8296-8306.	13.7	199
47	Selective catalytic hydroalkylation and deoxygenation of substituted phenols to bicycloalkanes. Journal of Catalysis, 2012, 288, 92-103.	6.2	213
48	Controlling Reaction Routes in Nobleâ€Metalâ€Catalyzed Conversion of Aryl Ethers. Angewandte Chemie, 0, , .	2.0	2