Arne Thomas

List of Publications by Year
in descending order

260 papers	52,858 citations	1893 102 h-index	1254 226 g-index
285 all docs	285 docs citations	285 times ranked	35518 citing authors

#	Article	IF	Citations
1	A metal-free polymeric photocatalyst for hydrogen production from water under visibleÂlight. Nature Materials, 2009, 8, 76-80.	27.5	10,442
2	Graphitic carbon nitride materials: variation of structure and morphology and their use as metal-free catalysts. Journal of Materials Chemistry, 2008, 18, 4893.	6.7	2,891
3	Porous, Covalent Triazineâ€Based Frameworks Prepared by Ionothermal Synthesis. Angewandte Chemie - International Edition, 2008, 47, 3450-3453.	13.8	2,138
4	Doping carbons beyond nitrogen: an overview of advanced heteroatom doped carbons with boron, sulphur and phosphorus for energy applications. Energy and Environmental Science, 2013, 6, 2839.	30.8	1,585
5	Metalâ€Containing Carbon Nitride Compounds: A New Functional Organicâ€“Metal Hybrid Material. Advanced Materials, 2009, 21, 1609-1612.	21.0	1,160
6	Ionothermal Synthesis of Crystalline, Condensed, Graphitic Carbon Nitride. Chemistry - A European Journal, 2008, 14, 8177-8182.	3.3	1,040
7	Chemical Synthesis of Mesoporous Carbon Nitrides Using Hard Templates and Their Use as a Metal-Free Catalyst for Friedelâ€“Crafts Reaction of Benzene. Angewandte Chemie - International Edition, 2006, 45, 4467-4471.	13.8	904
8	From Melamineâ€Cyanuric Acid Supramolecular Aggregates to Carbon Nitride Hollow Spheres. Advanced Functional Materials, 2013, 23, 3661-3667.	14.9	737
9	Functional Materials: From Hard to Soft Porous Frameworks. Angewandte Chemie - International Edition, 2010, 49, 8328-8344.	13.8	724
10	Activation of Carbon Nitride Solids by Protonation: Morphology Changes, Enhanced Ionic Conductivity, and Photoconduction Experiments. Journal of the American Chemical Society, 2009, 131, 50-51.	13.7	721
11	Diacetylene Functionalized Covalent Organic Framework (COF) for Photocatalytic Hydrogen Generation. Journal of the American Chemical Society, 2018, 140, 1423-1427.	13.7	646
12	A Generalized Synthesis of Metal Oxide Hollow Spheres Using a Hydrothermal Approach. Chemistry of Materials, 2006, 18, 3808-3812.	6.7	627
13	Catalyst-free Preparation of Melamine-Based Microporous Polymer Networks through Schiff Base Chemistry. Journal of the American Chemical Society, 2009, 131, 7216-7217.	13.7	579
14	Ionic Liquids as Precursors for Nitrogenâ€Doped Graphitic Carbon. Advanced Materials, 2010, 22, 87-92.	21.0	574
15	Metalâ€Free Heterogeneous Catalysis for Sustainable Chemistry. ChemSusChem, 2010, 3, 169-180.	6.8	536
16	Solid Catalysts for the Selective Lowâ€Temperature Oxidation of Methane to Methanol. Angewandte Chemie - International Edition, 2009, 48, 6909-6912.	13.8	528
17	Triazineâ€Based Graphitic Carbon Nitride: a Twoâ€Dimensional Semiconductor. Angewandte Chemie - International Edition, 2014, 53, 7450-7455.	13.8	523
18	From Microporous Regular Frameworks to Mesoporous Materials with Ultrahigh Surface Area: Dynamic Reorganization of Porous Polymer Networks. Journal of the American Chemical Society, 2008, 130, 13333-13337.	13.7	512

#	Article	IF	Citations
19	Rational Extension of the Family of Layered, Covalent, Triazineâ€Based Frameworks with Regular Porosity. Advanced Materials, 2010, 22, 2202-2205.	21.0	465
20	Quantifying the density and utilization of active sites in non-precious metal oxygen electroreduction catalysts. Nature Communications, 2015, 6, 8618.	12.8	461
21	Covalent organic frameworks (COFs) for electrochemical applications. Chemical Society Reviews, 2021, 50, 6871-6913.	38.1	461
22	A Direct Synthesis of Mesoporous Carbons with Bicontinuous Pore Morphology from Crude Plant Material by Hydrothermal Carbonization. Chemistry of Materials, 2007, 19, 4205-4212.	6.7	441
23	Functional Graphene Nanomaterials Based Architectures: Biointeractions, Fabrications, and Emerging Biological Applications. Chemical Reviews, 2017, 117, 1826-1914.	47.7	425
24	Toward Stable Interfaces in Conjugated Polymers: Microporous Poly(p-phenylene) and Poly(phenyleneethynylene) Based on a Spirobifluorene Building Block. Journal of the American Chemical Society, 2008, 130, 6334-6335.	13.7	420
25	Back in the black: hydrothermal carbonization of plant material as an efficient chemical process to treat the CO2 problem?. New Journal of Chemistry, 2007, 31, 787.	2.8	410
26	Condensed Graphitic Carbon Nitride Nanorods by Nanoconfinement: Promotion of Crystallinity on Photocatalytic Conversion. Chemistry of Materials, 2011, 23, 4344-4348.	6.7	393
27	Structural Evolution of 2D Microporous Covalent Triazine-Based Framework toward the Study of High-Performance Supercapacitors. Journal of the American Chemical Society, 2015, 137, 219-225.	13.7	390
28	Trends and challenges for microporous polymers. Chemical Society Reviews, 2017, 46, 3302-3321.	38.1	386
29	Covalent Triazine Framework as Catalytic Support for Liquid Phase Reaction. Nano Letters, 2010, 10, 537-541.	9.1	363
30	Covalent Triazine Frameworks Prepared from 1,3,5-Tricyanobenzene. Chemistry of Materials, 2013, 25, 1542-1548.	6.7	363
31	Hard Templates for Soft Materials: Creating Nanostructured Organic Materials. Chemistry of Materials, 2008, 20, 738-755.	6.7	362
32	Metal-Free Activation of CO2 by Mesoporous Graphitic Carbon Nitride. Angewandte Chemie - International Edition, 2007, 46, 2717-2720.	13.8	343
33	Active Salt/Silicaâ€Templated 2D Mesoporous FeCoâ€N_xâ€Carbon as Bifunctional Oxygen Electrodes for Zincâ€“Air Batteries. Angewandte Chemie - International Edition, 2018, 57, 1856-1862.	13.8	340
34	Macro/Microporous Covalent Organic Frameworks for Efficient Electrocatalysis. Journal of the American Chemical Society, 2019, 141, 6623-6630.	13.7	340
35	Conjugated Microporous Polymer Networks via Yamamoto Polymerization. Macromolecules, 2009, 42, 4426-4429.	4.8	339
36	Mesoporous, 2D Hexagonal Carbon Nitride and Titanium Nitride/Carbon Composites. Advanced Materials, 2009, 21, 4270-4274.	21.0	309

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37	Toward Tailorable Porous Organic Polymer Networks: A High-Temperature Dynamic Polymerization Scheme Based on Aromatic Nitriles. Macromolecules, 2009, 42, 319-326.	4.8	307
38	Microporous Networks of High-Performance Polymers: Elastic Deformations and Gas Sorption Properties. Macromolecules, 2008, 41, 2880-2885.	4.8	297
39	Bifunctional Electrocatalysts for Overall Water Splitting from an Iron/Nickelâ€Based Bimetallic Metalâ€“Organic Framework/Dicyandiamide Composite. Angewandte Chemie - International Edition, 2018, 57, 8921-8926.	13.8	291
40	Making Metalï£¿Carbon Nitride Heterojunctions for Improved Photocatalytic Hydrogen Evolution with Visible Light. ChemCatChem, 2010, 2, 834-838.	3.7	287
41	Microporous Conjugated Poly(thienylene arylene) Networks. Advanced Materials, 2009, 21, 702-705.	21.0	281
42	Threeâ€Dimensional Macroscopic Assemblies of Lowâ€Dimensional Carbon Nitrides for Enhanced Hydrogen Evolution. Angewandte Chemie - International Edition, 2013, 52, 11083-11087.	13.8	278
43	Cubic Mesoporous Graphitic Carbon(IV) Nitride: An Allâ€inâ€One Chemosensor for Selective Optical Sensing of Metal Ions. Angewandte Chemie - International Edition, 2010, 49, 9706-9710.	13.8	266
44	Boosting Visibleâ€Lightâ€Driven Photocatalytic Hydrogen Evolution with an Integrated Nickel Phosphideâ€“Carbon Nitride System. Angewandte Chemie - International Edition, 2017, 56, 1653-1657.	13.8	261
45	Carbonâ€Based Microbialâ€Fuelâ€Cell Electrodes: From Conductive Supports to Active Catalysts. Advanced Materials, 2017, 29, 1602547.	21.0	252
46	A detailed view on the polycondensation of ionic liquid monomers towards nitrogen doped carbon materials. Journal of Materials Chemistry, 2010, 20, 6746.	6.7	247
47	Replication and Coating of Silica Templates by Hydrothermal Carbonization. Advanced Functional Materials, 2007, 17, 1010-1018.	14.9	244
48	Exploring Polymers of Intrinsic Microporosity â€“ Microporous, Soluble Polyamide and Polyimide. Macromolecular Rapid Communications, 2007, 28, 1871-1876.	3.9	240
49	Mesoporous carbon nitrideâ€“silica composites by a combined solâ€“gel/thermal condensation approach and their application as photocatalysts. Energy and Environmental Science, 2011, 4, 4668.	30.8	239
50	Efficient Supercapacitor Energy Storage Using Conjugated Microporous Polymer Networks Synthesized from Buchwaldâ€“Hartwig Coupling. Advanced Materials, 2018, 30, e1705710.	21.0	239
51	Strongly Reducing (Diarylamino)benzene-Based Covalent Organic Framework for Metal-Free Visible Light Photocatalytic H₂O₂ Generation. Journal of the American Chemical Society, 2020, 142, 20107-20116.	13.7	239
52	Covalent Triazine Frameworks as Heterogeneous Catalysts for the Synthesis of Cyclic and Linear Carbonates from Carbon Dioxide and Epoxides. ChemSusChem, 2012, 5, 1793-1799.	6.8	237
53	Oxygen-evolving catalytic atoms on metal carbides. Nature Materials, 2021, 20, 1240-1247.	27.5	235
54	Metal-free catalysis of sustainable Friedelâ€“Crafts reactions: direct activation of benzene by carbon nitrides to avoid the use of metal chlorides and halogenated compounds. Chemical Communications, 2006, , 4530-4532.	4.1	228

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55	Noble-Metal-Free Electrocatalysts with Enhanced ORR Performance by Task-Specific Functionalization of Carbon using Ionic Liquid Precursor Systems. Journal of the American Chemical Society, 2014, 136, 14486-14497.	13.7	219
56	Fast tuning of covalent triazine frameworks for photocatalytic hydrogen evolution. Chemical Communications, 2017, 53, 5854-5857.	4.1	206
57	Vinyleneâ€Linked Covalent Organic Frameworks by Baseâ€Catalyzed Aldol Condensation. Angewandte Chemie - International Edition, 2019, 58, 14865-14870.	13.8	205
58	Perovskite-type mixed oxides as catalytic material for NO removal. Applied Catalysis B: Environmental, 2009, 92, 225-233.	20.2	193
59	Graphitic carbon nitride as a metal-free catalyst for NO decomposition. Chemical Communications, 2010, 46, 6965.	4.1	186
60	Supported Cobalt Oxide Nanoparticles As Catalyst for Aerobic Oxidation of Alcohols in Liquid Phase. ACS Catalysis, 2011, 1, 342-347.	11.2	184
61	Porous Polymers: Enabling Solutions for Energy Applications. Macromolecular Rapid Communications, 2009, 30, 221-236.	3.9	183
62	Ultralight covalent organic framework/graphene aerogels with hierarchical porosity. Nature Communications, 2020, 11, 4712.	12.8	183
63	Replication of Lyotropic Block Copolymer Mesophases into Porous Silica by Nanocasting:Â Learning about Finer Details of Polymer Self-Assembly. Langmuir, 2003, 19, 4455-4459.	3.5	181
64	25th Anniversary Article: â€œCooking Carbon with Saltâ€• Carbon Materials and Carbonaceous Frameworks from Ionic Liquids and Poly(ionic liquid)s. Advanced Materials, 2013, 25, 5838-5855.	21.0	177
65	3D Anionic Silicate Covalent Organic Framework with srs Topology. Journal of the American Chemical Society, 2018, 140, 5330-5333.	13.7	174
66	Proton Conductivity Enhancement by Nanostructural Control of Poly(benzimidazole)â€Phosphoric Acid Adducts. Advanced Materials, 2008, 20, 2595-2598.	21.0	172
67	Synthesis of Microporous Carbon Nanofibers and Nanotubes from Conjugated Polymer Network and Evaluation in Electrochemical Capacitor. Advanced Functional Materials, 2009, 19, 2125-2129.	14.9	172
68	Terephthalonitrile-derived nitrogen-rich networks for high performance supercapacitors. Energy and Environmental Science, 2012, 5, 9747.	30.8	171
69	Protonated Imineâ€Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 19797-19803.	13.8	171
70	Micropore Analysis of Polymer Networks by Gas Sorption and ¹²⁹Xe NMR Spectroscopy: Toward a Better Understanding of Intrinsic Microporosity. Langmuir, 2010, 26, 15650-15656.	3.5	165
71	Aminated hydrophilic ordered mesoporous carbons. Journal of Materials Chemistry, 2007, 17, 3412.	6.7	164
72	Organic materials for hydrogen storage applications: from physisorption on organic solids to chemisorption in organic molecules. Energy and Environmental Science, 2009, 2, 480.	30.8	160

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73	Growth Confined by the Nitrogen Source: Synthesis of Pure Metal Nitride Nanoparticles in Mesoporous Graphitic Carbon Nitride. Advanced Materials, 2007, 19, 264-267.	21.0	159
74	Complementing Graphenes: 1D Interplanar Charge Transport in Polymeric Graphitic Carbon Nitrides. Advanced Materials, 2015, 27, 7993-7999.	21.0	153
75	Microporous sulfur-doped carbon from thienyl-based polymer network precursors. Chemical Communications, 2011, 47, 8283.	4.1	152
76	Synthesis of Ternary Metal Nitride Nanoparticles Using Mesoporous Carbon Nitride as Reactive Template. ACS Nano, 2008, 2, 2489-2496.	14.6	147
77	Nickel as a co-catalyst for photocatalytic hydrogen evolution on graphitic-carbon nitride (sg-CN): what is the nature of the active species?. Chemical Communications, 2016, 52, 104-107.	4.1	147
78	Conjugated Microporous Polycarbazole Networks as Precursors for Nitrogen-Enriched Microporous Carbons for CO₂ Storage and Electrochemical Capacitors. Chemistry of Materials, 2017, 29, 4885-4893.	6.7	140
79	Nitrogen- and phosphorus-co-doped carbons with tunable enhanced surface areas promoted by the doping additives. Chemical Communications, 2013, 49, 1208.	4.1	139
80	A Microporous Binolâ€Derived Phosphoric Acid. Angewandte Chemie - International Edition, 2012, 51, 5456-5459.	13.8	134
81	Room Temperature Synthesis of Heptazineâ€Based Microporous Polymer Networks as Photocatalysts for Hydrogen Evolution. Macromolecular Rapid Communications, 2013, 34, 1008-1013.	3.9	134
82	An Anionic Microporous Polymer Network Prepared by the Polymerization of Weakly Coordinating Anions. Angewandte Chemie - International Edition, 2013, 52, 12174-12178.	13.8	133
83	Anionic silicate organic frameworks constructed from hexacoordinate silicon centres. Nature Chemistry, 2017, 9, 977-982.	13.6	133
84	Nitrogen-Rich Conjugated Microporous Polymers: Facile Synthesis, Efficient Gas Storage, and Heterogeneous Catalysis. ACS Applied Materials & Interfaces, 2017, 9, 38390-38400.	8.0	131
85	2D Porous Carbons prepared from Layered Organicâ€“Inorganic Hybrids and their Use as Oxygenâ€Reduction Electrocatalysts. Advanced Materials, 2017, 29, 1700707.	21.0	129
86	Atomic Feâ€“N_x Coupled Openâ€Mesoporous Carbon Nanofibers for Efficient and Bioadaptable Oxygen Electrode in Mgâ€“Air Batteries. Advanced Materials, 2018, 30, e1802669.	21.0	128
87	In Situ Synthesis of an Imidazolateâ€4â€amideâ€5â€imidate Ligand and Formation of a Microporous Zincâ€“Organic Framework with H₂â€and CO₂â€Storage Ability. Angewandte Chemie - International Edition, 2010, 49, 1258-1262.	13.8	126
88	Ultraâ€High Surface Area Nitrogenâ€Doped Carbon Aerogels Derived From a Schiffâ€Base Porous Organic Polymer Aerogel for CO₂ Storage and Supercapacitors. Advanced Functional Materials, 2019, 29, 1904785.	14.9	126
89	Donorâ€“acceptor covalent organic frameworks for visible light induced free radical polymerization. Chemical Science, 2019, 10, 8316-8322.	7.4	124
90	A Sustainable Template for Mesoporous Zeolite Synthesis. Journal of the American Chemical Society, 2014, 136, 2715-2718.	13.7	123

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91	Templateâ€Free Tuning of Nanopores in Carbonaceous Polymers through Ionothermal Synthesis. Advanced Materials, 2009, 21, 897-901.	21.0	120
92	Exploring the â€œGoldilocks Zoneâ€•of Semiconducting Polymer Photocatalysts by Donorâ€“Acceptor Interactions. Angewandte Chemie - International Edition, 2018, 57, 14188-14192.	13.8	118
93	A Covalent Organic Framework/Graphene Dual-Region Hydrogel for Enhanced Solar-Driven Water Generation. Journal of the American Chemical Society, 2022, 144, 3083-3090.	13.7	115
94	Rhenium-Metalated Polypyridine-Based Porous Polycarbazoles for Visible-Light CO₂ Photoreduction. ACS Catalysis, 2019, 9, 3959-3968.	11.2	110
95	Microporous Thioxanthone Polymers as Heterogeneous Photoinitiators for Visible Light Induced Free Radical and Cationic Polymerizations. Macromolecules, 2014, 47, 4607-4614.	4.8	109
96	Structureâ€“Activity Relationships in Bulk Polymeric and Solâ€“Gel-Derived Carbon Nitrides during Photocatalytic Hydrogen Production. Chemistry of Materials, 2014, 26, 1727-1733.	6.7	108
97	Alumina coated nickel nanoparticles as a highly active catalyst for dry reforming of methane. Applied Catalysis B: Environmental, 2015, 179, 122-127.	20.2	108
98	Silica-Templated Covalent Organic Framework-Derived Feâ€“N-Doped Mesoporous Carbon as Oxygen Reduction Electrocatalyst. Chemistry of Materials, 2019, 31, 3274-3280.	6.7	108
99	Triazineâ€Based Polymers as Nanostructured Supports for the Liquidâ€Phase Oxidation of Alcohols. Chemistry - A European Journal, 2011, 17, 1052-1057.	3.3	106
100	Metalâ€Organic Precursorâ€“Derived Mesoporous Carbon Spheres with Homogeneously Distributed Molybdenum Carbide/Nitride Nanoparticles for Efficient Hydrogen Evolution in Alkaline Media. Advanced Functional Materials, 2019, 29, 1807419.	14.9	104
101	Donorâ€“Acceptorâ€Type Heptazineâ€Based Polymer Networks for Photocatalytic Hydrogen Evolution. Energy Technology, 2016, 4, 744-750.	3.8	102
102	Solid-State Ion-Exchanged Cu/Mordenite Catalysts for the Direct Conversion of Methane to Methanol. ACS Catalysis, 2017, 7, 1403-1412.	11.2	102
103	Functional Carbon Materials From Ionic Liquid Precursors. Macromolecular Chemistry and Physics, 2012, 213, 1132-1145.	2.2	99
104	Tuning of gallery heights in a crystalline 2D carbon nitride network. Journal of Materials Chemistry A, 2013, 1, 1102-1107.	10.3	98
105	Mesoporous Carbon Nitrideâ€Tungsten Oxide Composites for Enhanced Photocatalytic Hydrogen Evolution. ChemSusChem, 2015, 8, 1404-1410.	6.8	98
106	Hydrogen Evolution Reaction in a Largeâ€Scale Reactor using a Carbon Nitride Photocatalyst under Natural Sunlight Irradiation. Energy Technology, 2015, 3, 1014-1017.	3.8	97
107	Mesoporous graphitic carbon nitride as a versatile, metal-free catalyst for the cyclisation of functional nitriles and alkynes. New Journal of Chemistry, 2007, 31, 1455.	2.8	95
108	A Chiral Microporous Polymer Network as Asymmetric Heterogeneous Organocatalyst. Advanced Synthesis and Catalysis, 2011, 353, 3101-3106.	4.3	92

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109	Nitrogen-doped coatings on carbon nanotubes and their stabilizing effect on Pt nanoparticles. Physical Chemistry Chemical Physics, 2012, 14, 6444.	2.8	92
110	Conversion of amorphous polymer networks to covalent organic frameworks under ionothermal conditions: a facile synthesis route for covalent triazine frameworks. Journal of Materials Chemistry A, 2015, 3, 24422-24427.	10.3	91
111	Mesoporous Melamine Resins by Soft Templating of Block-co-Polymer Mesophases. Chemistry of Materials, 2010, 22, 428-434.	6.7	90
112	Mesoporous Poly(benzimidazole) NetworksviaSolvent Mediated Templating of Hard Spheres. Macromolecules, 2007, 40, 1299-1304.	4.8	86
113	Metal-Free Phenanthrenequinone Cyclotrimer as an Effective Heterogeneous Catalyst. Journal of the American Chemical Society, 2009, 131, 11296-11297.	13.7	84
114	Room-Temperature Activation of Hydrogen by Semi-immobilized Frustrated Lewis Pairs in Microporous Polymer Networks. Journal of the American Chemical Society, 2017, 139, 3615-3618.	13.7	84
115	Silica Nanocasting of Simple Cellulose Derivatives: Towards Chiral Pore Systems with Long-Range Order and Chiral Optical Coatings. Advanced Functional Materials, 2003, 13, 763-766.	14.9	82
116	Binaphthalene-Based, Soluble Polyimides: The Limits of Intrinsic Microporosity. Macromolecules, 2009, 42, 8017-8020.	4.8	82
117	Mimicking Biosilicification: Programmed Coassembly of Peptideâ€“Polymer Nanotapes and Silica. Angewandte Chemie - International Edition, 2007, 46, 9023-9026.	13.8	81
118	Cationic microporous polymer networks by polymerisation of weakly coordinating cations with CO₂-storage ability. Journal of Materials Chemistry A, 2014, 2, 11825-11829.	10.3	81
119	General Route to High Surface Area Covalent Organic Frameworks and Their Metal Oxide Composites as Magnetically Recoverable Adsorbents and for Energy Storage. ACS Macro Letters, 2017, 6, 1444-1450.	4.8	81
120	Bifunctional Electrocatalysts for Overall Water Splitting from an Iron/Nickelâ€Based Bimetallic Metalâ€“Organic Framework/Dicyandiamide Composite. Angewandte Chemie, 2018, 130, 9059-9064.	2.0	81
121	Development of Molecular and Solid Catalysts for the Direct Lowâ€Temperature Oxidation of Methane to Methanol. ChemSusChem, 2010, 3, 277-282.	6.8	80
122	Quantification of photocatalytic hydrogen evolution. Physical Chemistry Chemical Physics, 2013, 15, 3466.	2.8	80
123	Highâ€Surfaceâ€Area TiO₂ and TiN as Catalysts for the Cï£¿C Coupling of Alcohols and Ketones. ChemSusChem, 2008, 1, 444-449.	6.8	79
124	Accurate Evaluation of Active-Site Density (SD) and Turnover Frequency (TOF) of PGM-Free Metalâ€“Nitrogen-Doped Carbon (MNC) Electrocatalysts using CO Cryo Adsorption. ACS Catalysis, 2019, 9, 4841-4852.	11.2	79
125	Acridineâ€Functionalized Covalent Organic Frameworks (COFs) as Photocatalysts for Metallaphotocatalytic Câ'N Crossâ€Coupling. Angewandte Chemie - International Edition, 2022, 61, .	13.8	77
126	Intrinsically Sulfurâ€•and Nitrogenâ€Coâ€doped Carbons from Thiazolium Salts. Chemistry - A European Journal, 2012, 18, 15416-15423.	3.3	76

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127	Ordered mesoporous WO_{2.83}: selective reduction synthesis, exceptional localized surface plasmon resonance and enhanced hydrogen evolution reaction activity. Journal of Materials Chemistry A, 2018, 6, 2249-2256.	10.3	76
128	Exfoliation of Crystalline 2D Carbon Nitride: Thin Sheets, Scrolls and Bundles via Mechanical and Chemical Routes. Macromolecular Rapid Communications, 2013, 34, 850-854.	3.9	74
129	One-Pot Synthesis of Supported, Nanocrystalline Nickel Manganese Oxide for Dry Reforming of Methane. ACS Catalysis, 2013, 3, 224-229.	11.2	72
130	A polymer analogous reaction for the formation of imidazolium and NHC based porous polymer networks. Polymer Chemistry, 2013, 4, 1848.	3.9	70
131	Support material variation for the Mn O -Na2WO4/SiO2 catalyst. Catalysis Today, 2014, 228, 5-14.	4.4	69
132	Synthesis of Vinylene-Linked Covalent Organic Frameworks from Acetonitrile: Combining Cyclotrimerization and Aldol Condensation in One Pot. Journal of the American Chemical Society, 2020, 142, 14033-14038.	13.7	68
133	â€œEverything is surfaceâ€• tunable polymer organic frameworks with ultrahigh dye sorption capacity. Chemical Communications, 2008, , 5815.	4.1	66
134	A Metalâ€“Organic Framework with Tetrahedral Aluminate Sites as a Singleâ€Ion Li⁺ Solid Electrolyte. Angewandte Chemie - International Edition, 2018, 57, 16683-16687.	13.8	65
135	Macroscale Conjugated Microporous Polymers: Controlling Versatile Functionalities Over Several Dimensions. Advanced Materials, 2022, 34, e2104952.	21.0	65
136	Carbon Colloids Prepared by Hydrothermal Carbonization as Efficient Fuel for Indirect Carbon Fuel Cells. Chemistry of Materials, 2009, 21, 1170-1172.	6.7	63
137	High-Surface-Area SBA-15 with Enhanced Mesopore Connectivity by the Addition of Poly(vinyl alcohol). Chemistry of Materials, 2011, 23, 2062-2067.	6.7	63
138	Reaction Mechanism of Aerobic Oxidation of Alcohols Conducted on Activatedâ€Carbonâ€Supported Cobalt Oxide Catalysts. Chemistry - A European Journal, 2011, 17, 7112-7117.	3.3	63
139	Ionothermal Route to Layered Two-Dimensional Polymer-Frameworks Based on Heptazine Linkers. Macromolecules, 2010, 43, 6639-6645.	4.8	61
140	Organosilicas with Chiral Bridges and Self-Generating Mesoporosity. Chemistry of Materials, 2007, 19, 2649-2657.	6.7	59
141	Reversible Doping of a Dithienothiopheneâ€Based Conjugated Microporous Polymer. Chemistry - A European Journal, 2015, 21, 9306-9311.	3.3	59
142	One-Dimensional Porous Carbon/Platinum Composites for Nanoscale Electrodes. Angewandte Chemie - International Edition, 2007, 46, 3464-3467.	13.8	58
143	Influence of Periodic Nitrogen Functionality on the Selective Oxidation of Alcohols. Chemistry - an Asian Journal, 2012, 7, 387-393.	3.3	57
144	Polymeric Carbon Nitride/Mesoporous Silica Composites as Catalyst Support for Au and Pt Nanoparticles. Chemistry - A European Journal, 2014, 20, 2872-2878.	3.3	57

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145	Boosting Visibleâ€Lightâ€Driven Photocatalytic Hydrogen Evolution with an Integrated Nickel Phosphideâ€“Carbon Nitride System. Angewandte Chemie, 2017, 129, 1675-1679.	2.0	57
146	Conjugated Microporous Polymer Network Grafted Carbon Nanotube Fibers with Tunable Redox Activity for Efficient Flexible Wearable Energy Storage. Chemistry of Materials, 2020, 32, 8276-8285.	6.7	57
147	Copperâ€Free Sonogashira Coupling for Highâ€Surfaceâ€Area Conjugated Microporous Poly(aryleneethynylene) Networks. Chemistry - A European Journal, 2016, 22, 7179-7183.	3.3	56
148	Active Salt/Silicaâ€Templated 2D Mesoporous FeCoâ€N_xâ€Carbon as Bifunctional Oxygen Electrodes for Zincâ€“Air Batteries. Angewandte Chemie, 2018, 130, 1874-1880.	2.0	56
149	Cobaltâ€Exchanged Poly(Heptazine Imides) as Transition Metalâ€“N_x Electrocatalysts for the Oxygen Evolution Reaction. Advanced Materials, 2020, 32, e1903942.	21.0	56
150	Acid catalyzed synthesis of carbonyl-functionalized microporous ladder polymers with high surface area. Polymer Chemistry, 2010, 1, 283.	3.9	55
151	Adsorption of Pyruvic and Succinic Acid by Amine-Functionalized SBA-15 for the Purification of Succinic Acid from Fermentation Broth. Journal of Physical Chemistry C, 2007, 111, 13076-13086.	3.1	54
152	Metalâ€Free Photocatalytic Graphitic Carbon Nitride on pâ€Type Chalcopyrite as a Composite Photocathode for Lightâ€Induced Hydrogen Evolution. ChemSusChem, 2012, 5, 1227-1232.	6.8	53
153	Metallfreie Aktivierung von CO2 mit mesoporÃ¶sem graphitischem Kohlenstoffnitrid. Angewandte Chemie, 2007, 119, 2773-2776.	2.0	52
154	Tunable absorption and emission wavelength in conjugated microporous polymers by copolymerization. Polymer Chemistry, 2011, 2, 1950.	3.9	51
155	A mesoporous poly(benzimidazole) network as a purely organic heterogeneous catalyst for the Knoevenagel condensation. Catalysis Communications, 2008, 10, 243-247.	3.3	49
156	Mesoporous Indium Tin Oxide as a Novel Platform for Bioelectronics. ChemCatChem, 2010, 2, 839-845.	3.7	49
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