

Francis Verpoort

List of Publications by Year in descending order

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402
papers

16,688
citations

19657

61
h-index

25787

108
g-index

439
all docs

439
docs citations

439
times ranked

17916
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of alkali treatment on performance characterization of <i>Ziziphus mauritiana</i> fiber and its epoxy composites. <i>Journal of Industrial Textiles</i> , 2022, 51, 2444S-2466S.	2.4	33
2	N-functionalized hierarchical carbon composite derived from ZIF-67 and carbon foam for efficient overall water splitting. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 222-230.	5.8	11
3	Rational design of electrospun nanofiber-typed electrocatalysts for water splitting: A review. <i>Chemical Engineering Journal</i> , 2022, 428, 131133.	12.7	42
4	A review on the latest progress of C–S cross-coupling in diaryl sulfide synthesis: Update from 2012 to 2021. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6482.	3.5	13
5	Random Copolymerization of ϵ -Caprolactone and L-Lactide by Ring Opening Polymerization Using a Co/N-Doped Carbon Framework as Catalyst. <i>Chemistry Africa</i> , 2022, 5, 79-87.	2.4	1
6	Engineering metal-organic frameworks for efficient photocatalytic conversion of CO ₂ into solar fuels. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214245.	18.8	64
7	Novel kinetic modeling of thiabendazole removal by adsorption and photocatalysis on porous organic polymers: Effect of pH and visible light intensity. <i>Chemical Engineering Journal</i> , 2022, 431, 133349.	12.7	15
8	Gram-scale synthesis of carboxylic acids via catalytic acceptorless dehydrogenative coupling of alcohols and hydroxides at an ultralow Ru loading. <i>Applied Catalysis A: General</i> , 2022, 630, 118443.	4.3	11
9	A green and recyclable CuSO ₄ ·5H ₂ O/ionic liquid catalytic system for the CO ₂ -promoted hydration of propargyl alcohols: an efficient assembly of α -hydroxy ketones. <i>Journal of Catalysis</i> , 2022, 405, 561-570.	6.2	4
10	Cs ₂ CO ₃ -Promoted C–O Coupling Protocol Enables Solventless (Hetero)aryl Ether Synthesis under Air Atmosphere. <i>Chemistry - an Asian Journal</i> , 2022, , e202101370.	3.3	2
11	Tandem Reactions Based on the Cyclization of Carbon Dioxide and Propargylic Alcohols: Derivative Applications of α -Alkylidene Carbonates. <i>Catalysts</i> , 2022, 12, 73.	3.5	8
12	A physicochemical introspection of porous organic polymer photocatalysts for wastewater treatment. <i>Chemical Society Reviews</i> , 2022, 51, 1124-1138.	38.1	34
13	State-of-the-Art Mixed Matrix Membranes (MMMs). <i>Membranes</i> , 2022, 12, 294.	3.0	1
14	Enhanced Performance of Carbon–Selenide Composite with La _{0.9} Ce _{0.1} NiO ₃ Perovskite Oxide for Outstanding Counter Electrodes in Platinum-Free Dye-Sensitized Solar Cells. <i>Nanomaterials</i> , 2022, 12, 961.	4.1	4
15	Plasma-enhanced elemental enrichment of liquid metal interfaces: Towards realization of GaS nanodomains in two-dimensional Ga ₂ O ₃ . <i>Applied Materials Today</i> , 2022, 27, 101461.	4.3	5
16	CO ₂ -induced dissolution of ZnO into ionic liquids and its catalytic application for the hydration of propargylic alcohols. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121270.	20.2	8
17	Half-sandwich ruthenium complex with a very low overpotential and excellent activity for water oxidation under acidic conditions. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	2
18	Bioinspired patterned photonic junctions for plasmon-enhanced metal photoluminescence and fluorescence: design of optical cavities for near-infrared electronics. <i>Materials Today Energy</i> , 2022, 26, 101003.	4.7	3

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19	Metal Embedded Porous Carbon for Efficient CO ₂ Cycloaddition under Mild Conditions. <i>Catalysts</i> , 2022, 12, 427.	3.5	8
20	Constructing a stable cobalt-nitrogen-carbon air cathode from coordinatively unsaturated zeolitic-imidazole frameworks for rechargeable zinc-air batteries. <i>Nano Research</i> , 2022, 15, 5895-5901.	10.4	7
21	Bimetallic-doped Zeolitic imidazole framework-derived Cobalt-Nitrogen-Carbon supported on reduced graphene oxide enabling efficient microwave absorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 134, 104350.	5.3	2
22	Facile and green synthesis cobalt embedded in N-doped porous carbon under zeo-waste conditions as an efficient oxygen evolution reduction catalyst. <i>Microporous and Mesoporous Materials</i> , 2022, 337, 111916.	4.4	3
23	Tunability of near infrared opto-synaptic properties of thin MoO ₃ films fabricated by atomic layer deposition. <i>Applied Surface Science</i> , 2022, 593, 153399.	6.1	12
24	Strategies for induced defects in metal-organic frameworks for enhancing adsorption and catalytic performance. <i>Dalton Transactions</i> , 2022, 51, 8133-8159.	3.3	22
25	Sacrificial Zinc Oxide Strategy-Enhanced Mesoporosity in MIL-53-Derived Iron-Carbon Composite for Methylene Blue Adsorption. <i>Inorganics</i> , 2022, 10, 59.	2.7	3
26	Self-sacrifice MOFs for heterogeneous catalysis: Synthesis mechanisms and future perspectives. <i>Materials Today</i> , 2022, 55, 137-169.	14.2	70
27	Two-Dimensional Zeolitic Imidazolate Framework ZIF-L: A Promising Catalyst for Polymerization. <i>Catalysts</i> , 2022, 12, 521.	3.5	7
28	Synthesis, structure and biological activity of hydrometallatranes. <i>Journal of Molecular Liquids</i> , 2022, 358, 119213.	4.9	2
29	Benzimidazole-based N-heterocyclic carbene silver complexes as catalysts for the formation of carbonates from carbon dioxide and epoxides. <i>Molecular Catalysis</i> , 2022, 526, 112369.	2.0	2
30	Carbon-Supported Cobalt Nanoparticles via Thermal Sugar Decomposition as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Applied Nano Materials</i> , 2022, 5, 7993-8004.	5.0	1
31	Ruthenium indenylidene complexes bearing bis(N-Alkyl/N TM -Mesityl)-sided heterocyclic carbene ligands. <i>Izvestiĳ Vuzov: Prikladnaĳ Himiĳ I Biotehnologijĳ</i> , 2022, 12, 180-191.	0.3	0
32	Extraction and characterization of natural fiber from <i>Eleusine indica</i> grass as reinforcement of sustainable fiber reinforced polymer composites. <i>Journal of Natural Fibers</i> , 2021, 18, 1742-1750.	3.1	67
33	Characterization of Natural Fibers from <i>Cortaderia Selloana</i> Grass (Pampas) as Reinforcement Material for the Production of the Composites. <i>Journal of Natural Fibers</i> , 2021, 18, 1893-1901.	3.1	58
34	Enhanced bioremediation of trichloroethene-contaminated groundwater using modified β -PGA for continuous substrate supplement and pH control: Batch and pilot-scale studies. <i>Journal of Cleaner Production</i> , 2021, 278, 123736.	9.3	10
35	Solvent-free synthesis of cyclic polycaprolactone catalysed by MOF-derived ZnO/NCs catalysts. <i>European Polymer Journal</i> , 2021, 142, 110127.	5.4	6
36	An efficient and recyclable AgNO ₃ /ionic liquid system catalyzed atmospheric CO ₂ utilization: Simultaneous synthesis of 2-oxazolidinones and α -hydroxyl ketones. <i>Journal of Catalysis</i> , 2021, 393, 70-82.	6.2	23

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37	Smart recycling of PET to sorbents for insecticides through in situ MOF growth. <i>Applied Materials Today</i> , 2021, 22, 100910.	4.3	17
38	Cobalt embedded in nitrogen-doped porous carbon as a robust heterogeneous catalyst for the atom-economic alcohol dehydrogenation to carboxylic acids. <i>Carbon</i> , 2021, 174, 284-294.	10.3	23
39	Direct realization of an Operando Systems Chemistry Algorithm (OSCAL) for powering nanomotors. <i>Nanoscale</i> , 2021, 13, 3543-3551.	5.6	3
40	Ring-opening copolymerization of ϵ -caprolactone and γ -valerolactone by a titanium-based metal-organic framework. <i>New Journal of Chemistry</i> , 2021, 45, 11313-11316.	2.8	3
41	Operando systems chemistry reaction catalysis (OSCR-Cat) for visible light driven CO ₂ conversion. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13355-13365.	10.3	4
42	Heterostructured plasmonic memristors with tunable opto-synaptic functionalities. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2539-2549.	5.5	16
43	State-of-the-art surface oxide semiconductors of liquid metals: an emerging platform for development of multifunctional two-dimensional materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 34-73.	10.3	26
44	Green Synthesis of 2-Oxazolidinones by an Efficient and Recyclable CuBr/Ionic Liquid System via CO ₂ , Propargylic Alcohols, and 2-Aminoethanols. <i>Catalysts</i> , 2021, 11, 233.	3.5	14
45	Green synthesis of MgO nanocatalyst by using <i>Ziziphus mauritiana</i> leaves and seeds for biodiesel production. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6199.	3.5	26
46	Atomic layer deposition – state-of-the-art approach to nanoscale hetero-interfacial engineering of chemical sensors electrodes: A review. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129403.	7.8	24
47	Application of zeolitic imidazolate framework for hexavalent chromium removal: A feasibility and mechanism study. <i>Water Environment Research</i> , 2021, 93, 1995-2009.	2.7	5
48	Atomic Heat Contributions for Carbon Dioxide Adsorption in IRMOF-1. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12650-12662.	3.7	5
49	Metal-organic frameworks as catalysts for fructose conversion into 5-hydroxymethylfurfural: Catalyst screening and parametric study. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6419.	3.5	11
50	In Situ Thermal Solvent-Free Synthesis of Zeolitic Imidazolate Frameworks with High Crystallinity and Porosity for Effective Adsorption and Catalytic Applications. <i>Crystal Growth and Design</i> , 2021, 21, 5349-5359.	3.0	12
51	Enhancing catalytic activity via metal tuning of zeolitic imidazole frameworks for ring opening polymerization of L-lactide. <i>Applied Catalysis A: General</i> , 2021, 624, 118319.	4.3	4
52	Natural zeolite modified with 4-(3-triethoxysilylpropyl) thiosemicarbazide as an effective adsorbent for Cu(II), Co(II) and Ni(II). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 396-409.	5.3	10
53	Plasma-induced sub-10 nm Au-SnO ₂ -In ₂ O ₃ heterostructures fabricated by atomic layer deposition for highly sensitive ethanol detection on ppm level. <i>Applied Surface Science</i> , 2021, 563, 150400.	6.1	12
54	Transition-Metal-Free Base-Controlled C-N Coupling Reactions: Selective Mono versus Diarylation of Primary Amines with 2-Chlorobenzimidazoles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1408-1416.	4.3	7

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55	Sacrificial ZnO nanorods drive N and O dual-doped carbon towards trifunctional electrocatalysts for Zn-air batteries and self-powered water splitting devices. <i>Catalysis Science and Technology</i> , 2021, 11, 4149-4161.	4.1	7
56	Simultaneous transformation of 2D to 3D and doped metal transitions of zeolitic imidazole frameworks under solid phase and free-solvent conditions. <i>Dalton Transactions</i> , 2021, 50, 15793-15801.	3.3	1
57	Synthesis and characterization of a novel latent ring-opening metathesis polymerization catalyst. <i>Tetrahedron Letters</i> , 2021, 84, 153451.	1.4	2
58	Metal-Free Synthesis of Heteroaryl Amines or Their Hydrochlorides via an External-Base-Free and Solvent-Free C-N Coupling Protocol. <i>Journal of Organic Chemistry</i> , 2021, 86, 14627-14639.	3.2	5
59	Metal-Organic Frameworks (MOFs) for Cancer Therapy. <i>Materials</i> , 2021, 14, 7277.	2.9	44
60	Selective cyclodimerization of epichlorohydrin to dioxane derivatives over MOFs. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1088-1093.	4.9	6
61	Hierarchical ZIFs@Al ₂ O ₃ composite materials as effective heterogeneous catalysts. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110009.	4.4	9
62	Macrocyclic cyanocobalamin (vitamin B ₁₂) as a homogeneous electrocatalyst for water oxidation under neutral conditions. <i>Chemical Communications</i> , 2020, 56, 1968-1971.	4.1	22
63	Thermochemical transformation in the single-step synthesis of zeolitic imidazole frameworks under solvent-free conditions. <i>Dalton Transactions</i> , 2020, 49, 2811-2818.	3.3	11
64	Triazole based cobalt catalyst for CO ₂ insertion into epoxide at ambient pressure. <i>Applied Catalysis A: General</i> , 2020, 591, 117384.	4.3	26
65	Well-defined N-heterocyclic carbene/ruthenium complexes for the alcohol amidation with amines: The dual role of cesium carbonate and improved activities applying an added ligand. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5323.	3.5	13
66	Palladium-Catalyzed Ligand-Free C-N Coupling Reactions: Selective Diheteroarylation of Amines with 2-Halobenzimidazoles. <i>Chemistry - an Asian Journal</i> , 2020, 15, 129-135.	3.3	8
67	Self-healing fiber-reinforced epoxy composites. , 2020, , 393-404.		3
68	Highly Efficient N-Heterocyclic Carbene/Ruthenium Catalytic Systems for the Acceptorless Dehydrogenation of Alcohols to Carboxylic Acids: Effects of Ancillary and Additional Ligands. <i>Catalysts</i> , 2020, 10, 10.	3.5	20
69	Palladium metallated shell layer of shell@core MOFs as an example of an efficient catalyst design strategy for effective olefin hydrogenation reaction. <i>Journal of Catalysis</i> , 2020, 392, 141-149.	6.2	13
70	Kinetic modeling of heterogeneous esterification reaction using initial reaction rate analysis: data extraction and evaluation of mass transfer criteria. <i>Data in Brief</i> , 2020, 31, 106027.	1.0	3
71	Nano-engineering and functionalization of hybrid Au-MexOy-TiO ₂ (Me = W, Ga) hetero-interfaces for optoelectronic receptors and nociceptors. <i>Nanoscale</i> , 2020, 12, 20177-20188.	5.6	20
72	Water Oxidation at Neutral pH using a Highly Active Copper-Based Electrocatalyst. <i>ChemSusChem</i> , 2020, 13, 5088-5099.	6.8	17

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73	New Insights into the Progress on the Isobutane/Butene Alkylation Reaction and Related Processes for High-Quality Fuel Production. A Critical Review. <i>Energy & Fuels</i> , 2020, 34, 15525-15556.	5.1	37
74	High Molecular Weight Poly(methyl methacrylate) Synthesis Using Recyclable and Reusable Zeolitic Imidazole Frameworks Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000271.	2.2	1
75	The flowering of Mechanically Interlocked Molecules: Novel approaches to the synthesis of rotaxanes and catenanes. <i>Coordination Chemistry Reviews</i> , 2020, 423, 213484.	18.8	28
76	Isoxazole derivatives of silatrane: synthesis, characterization, in silico ADME profile, prediction of potential pharmacological activity and evaluation of antimicrobial action. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5976.	3.5	23
77	Cyclopentanone-Alkanediol Systems: Experimental and Theoretical Study on Hydrogen-Bond Complex Formation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18318-18334.	3.7	6
78	Progress of MOF-Derived Functional Materials Toward Industrialization in Solar Cells and Metal-Air Batteries. <i>Catalysts</i> , 2020, 10, 897.	3.5	15
79	Cross-Linked Mixed-Matrix Membranes Using Functionalized UiO-66-NH ₂ into PEG/PPG-PDMS-Based Rubbery Polymer for Efficient CO ₂ Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57916-57931.	8.0	48
80	Ligand photodissociation in Ru(II)-1,4,7-triazacyclononane complexes enhances water oxidation and enables electrochemical generation of surface active species. <i>Catalysis Science and Technology</i> , 2020, 10, 3399-3408.	4.1	4
81	A Cu-based MOF for the effective carboxylation of terminal alkynes with CO ₂ under mild conditions. <i>Journal of CO₂ Utilization</i> , 2020, 39, 101177.	6.8	25
82	Engineering of a highly stable metal-organic Co-film for efficient electrocatalytic water oxidation in acidic media. <i>Materials Today Energy</i> , 2020, 17, 100437.	4.7	9
83	Novel rapid room temperature synthesis of conjugated microporous polymer for metal-free photocatalytic degradation of fluoroquinolones. <i>Journal of Hazardous Materials</i> , 2020, 398, 122928.	12.4	31
84	Co-catalyst and solvent free nitrogen rich triazole based organocatalysts for cycloaddition of CO ₂ into epoxide. <i>Molecular Catalysis</i> , 2020, 493, 111071.	2.0	13
85	Dual remediation of waste waters from methylene blue and chromium (VI) using thermally induced ZnO nanofibers. <i>Applied Surface Science</i> , 2020, 514, 145939.	6.1	17
86	Xenes as an Emerging 2D Monoelemental Family: Fundamental Electrochemistry and Energy Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2002885.	14.9	66
87	Understanding the roles of variable Pd(II)/Pd(0) ratio supported on conjugated poly-azobenzene network: From characteristic alteration in properties to their cooperation towards visible-light-induced selective hydrogenation. <i>Journal of Catalysis</i> , 2020, 385, 120-128.	6.2	7
88	Nanoscale Au-ZnO Heterostructure Developed by Atomic Layer Deposition Towards Amperometric H ₂ O ₂ Detection. <i>Nanoscale Research Letters</i> , 2020, 15, 41.	5.7	13
89	Remediation of petroleum-hydrocarbon contaminated groundwater using optimized in situ chemical oxidation system: Batch and column studies. <i>Chemical Engineering Research and Design</i> , 2020, 138, 18-26.	5.6	23
90	Synergistic performance of a sub-nanoscale cobalt and imidazole grafted porous organic polymer for CO ₂ fixation to cyclic carbonates under ambient pressure without a co-catalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13916-13920.	10.3	14

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91	Nanoscale All-Oxide-Heterostructured Bio-inspired Optoresponsive Nociceptor. Nano-Micro Letters, 2020, 12, 83.	27.0	33
92	Kinetic modeling of oleic acid esterification with UiO-66: from intrinsic experimental data to kinetics via elementary reaction steps. Chemical Engineering Journal, 2020, 394, 124816.	12.7	18
93	CO ₂ -Promoted Hydration of Propargylic Alcohols: Green Synthesis of β -Hydroxy Ketones by an Efficient and Recyclable AgOAc/Ionic Liquid System. ACS Sustainable Chemistry and Engineering, 2020, 8, 8148-8155.	6.7	30
94	MIL-101(Cr) for CO ₂ Conversion into Cyclic Carbonates, Under Solvent and Co-Catalyst Free Mild Reaction Conditions. Catalysts, 2020, 10, 453.	3.5	16
95	Degradation of environmental contaminants by topical heterogeneous photocatalysts. , 2020, , 151-182.		5
96	Efficient transformative HCHO capture by defective NH ₂ -UiO-66(Zr) at room temperature. Environmental Science: Nano, 2019, 6, 2931-2936.	4.3	38
97	ONO pincer type ligand complexes of Al(III) as efficient catalyst for chemical fixation of CO ₂ to epoxides at atmospheric pressure. Journal of Catalysis, 2019, 377, 190-198.	6.2	34
98	Conjugated mesoporous polyazobenzene@Pd(II) composite: A potential catalyst for visible-light-induced Sonogashira coupling. Journal of Catalysis, 2019, 377, 183-189.	6.2	19
99	Progress on Catalyst Development for Direct Synthesis of Dimethyl Carbonate from CO ₂ and Methanol. Chemistry Africa, 2019, 2, 533-549.	2.4	11
100	Electrochromic Photodetectors: Toward Smarter Glasses and Nano Reflective Displays via an Electrolytic Mechanism. ACS Applied Materials & Interfaces, 2019, 11, 27997-28004.	8.0	11
101	MoS ₂ coating on CoS _x -embedded nitrogen-doped-carbon-nanosheets grown on carbon cloth for energy conversion. Journal of Alloys and Compounds, 2019, 806, 1276-1284.	5.5	10
102	Enhancing catalytic performance via structure core-shell metal-organic frameworks. Journal of Catalysis, 2019, 375, 371-379.	6.2	25
103	CO ₂ insertion into epoxides using cesium salts as catalysts at ambient pressure. Catalysis Science and Technology, 2019, 9, 3868-3873.	4.1	18
104	Kinetics of Dicyclopentadiene Polymerization in the Presence of the Second Generation Hoveyda-Grubbs Catalyst with N-Chelating Ligand. Polymer Science - Series C, 2019, 61, 41-48.	1.7	3
105	Nanostructured tungsten oxide thin film devices: from optoelectronics and ionics to iontronics. Journal of Materials Chemistry C, 2019, 7, 12968-12990.	5.5	52
106	Homogenous electrochemical water oxidation by a nickel(ii) complex based on a macrocyclic N-heterocyclic carbene/pyridine hybrid ligand. Catalysis Science and Technology, 2019, 9, 5651-5659.	4.1	14
107	Metal-organic frameworks as catalysts for sugar conversion into platform chemicals: State-of-the-art and prospects. Coordination Chemistry Reviews, 2019, 401, 213064.	18.8	45
108	Porous organic polymer composites as surging catalysts for visible-light-driven chemical transformations and pollutant degradation. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2019, 41, 100319.	11.6	32

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109	Efficient and phosphine-free bidentate N-heterocyclic carbene/ruthenium catalytic systems for the dehydrogenative amidation of alcohols and amines. <i>Organic Chemistry Frontiers</i> , 2019, 6, 563-570.	4.5	29
110	Bulk Ring-Opening Polymerization of μ -Caprolactone by Zeolitic Imidazolate Framework. <i>Catalysis Letters</i> , 2019, 149, 2132-2141.	2.6	11
111	Highly active dinuclear cobalt complexes for solvent-free cycloaddition of CO ₂ to epoxides at ambient pressure. <i>Chemical Communications</i> , 2019, 55, 8274-8277.	4.1	40
112	Highly active bidentate N-heterocyclic carbene/ruthenium complexes performing dehydrogenative coupling of alcohols and hydroxides in open air. <i>Chemical Communications</i> , 2019, 55, 8591-8594.	4.1	34
113	Flexibility in Metal-Organic Frameworks: A Basic Understanding. <i>Catalysts</i> , 2019, 9, 512.	3.5	35
114	3D derived N-doped carbon matrix from 2D ZIF-L as an enhanced stable catalyst for chemical fixation. <i>Microporous and Mesoporous Materials</i> , 2019, 285, 80-88.	4.4	45
115	Sonochemical functionalization of the low-dimensional surface oxide of Galinstan for heterostructured optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5584-5595.	5.5	26
116	Switching from linear to cyclic ϵ -Polyvalerolactone synthesized via zeolitic imidazolate framework as a catalyst: A promising approach. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4890.	3.5	7
117	Rational Design of Holey 2D Nonlayered Transition Metal Carbide/Nitride Heterostructure Nanosheets for Highly Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1803768.	19.5	204
118	Preparation of pineapple waste-derived porous carbons with enhanced CO ₂ capture performance by hydrothermal carbonation-alkali metal oxalates assisted thermal activation process. <i>Chemical Engineering Research and Design</i> , 2019, 146, 130-140.	5.6	42
119	Synthesis of polydicyclopentadiene using the Cp ₂ TiCl ₂ /Et ₂ AlCl catalytic system and thin-layer oxidation of the polymer in air. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 733-745.	2.2	0
120	Direct Synthesis of the 2D Copper(II) 5-Propynoxyisophthalate MOF: Comment on "Surface Functionalization of Porous Coordination Nanocages Via Click Chemistry and Their Application in Drug Delivery". <i>Advanced Materials</i> , 2019, 31, e1801399.	21.0	17
121	Synthesis and Antiplatelet Potential Evaluation of 1,3,4-Oxadiazoles Derivatives. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1741-1759.	2.8	2
122	Chemical fixation of carbon dioxide catalyzed via cobalt (III) ONO pincer ligated complexes. <i>Communications Chemistry</i> , 2019, 2, .	4.5	26
123	Core-shell metal-organic frameworks and metal functionalization to access highest efficiency in catalytic carboxylation. <i>Journal of Catalysis</i> , 2019, 371, 106-115.	6.2	32
124	Ultra-thin sub-10%nm Ga ₂ O ₃ -WO ₃ heterostructures developed by atomic layer deposition for sensitive and selective C ₂ H ₅ OH detection on ppm level. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 147-156.	7.8	41
125	Homogeneous photochemical water oxidation with metal salophen complexes in neutral media. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2782-2791.	2.9	16
126	Relative Reactivity of Dicyclopentadiene and 2,3-Dicarbomethoxy-5-norbornene in Metathesis Copolymerization and the Properties of the Copolymer. <i>Polymer Science - Series C</i> , 2019, 61, 49-57.	1.7	0

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127	Pd-nanoparticle decorated azobenzene based colloidal porous organic polymer for visible and natural sunlight induced Mott-Schottky junction mediated instantaneous Suzuki coupling. Chemical Engineering Journal, 2019, 358, 580-588.	12.7	53
128	Robust and efficient catalyst derived from bimetallic Zn/Co zeolitic imidazolate frameworks for CO ₂ conversion. Journal of Catalysis, 2019, 370, 38-45.	6.2	67
129	Application of an emulsified polycolloid substrate biobarrier to remediate petroleum-hydrocarbon contaminated groundwater. Chemosphere, 2019, 219, 444-455.	8.2	14
130	Concurrent adsorption and micro-electrolysis of Cr(VI) by nanoscale zerovalent iron/biochar/Ca-alginate composite. Environmental Pollution, 2019, 247, 410-420.	7.5	145
131	UV-Vis absorption studies of coordination-driven self-assembled 2D metal-rectangle towards multi-carboxylation anions. Polyhedron, 2019, 157, 262-266.	2.2	3
132	Solid-state transformation in porous metal-organic frameworks based on polymorphic-pillared net structure: Generation of tubular shaped MOFs. Microporous and Mesoporous Materials, 2019, 278, 99-104.	4.4	8
133	Surface functionalization of wafer-scale two-dimensional WO ₃ nanofilms by NM electrodeposition (NM = Ag, Pt, Pd) for electrochemical H ₂ O ₂ reduction improvement. Electrochimica Acta, 2019, 297, 417-426.	5.2	19
134	Flexibility in Metal-Organic Frameworks: A Fundamental Understanding. Materials Research Foundations, 2019, , 177-214.	0.3	0
135	ALD-Developed Plasmonic Two-Dimensional Au/WO ₃ /TiO ₂ Heterojunction Architectonics for Design of Photovoltaic Devices. ACS Applied Materials & Interfaces, 2018, 10, 10304-10314.	8.0	44
136	Ultra-thin MoO ₃ film goes wafer-scaled nano-architectonics by atomic layer deposition. Materials and Design, 2018, 149, 135-144.	7.0	22
137	Cationic nickel metal-organic frameworks for adsorption of negatively charged dye molecules. Data in Brief, 2018, 18, 1952-1961.	1.0	14
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