

Pascal Van Der Voort

List of Publications by Year in descending order

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Version: 2024-02-01

380
papers

17,177
citations

12303

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410
docs citations

410
times ranked

17587
citing authors

#	ARTICLE	IF	CITATIONS
1	Amidoxime-functionalized covalent organic framework as simultaneous luminescent sensor and adsorbent for organic arsenic from water. <i>Chemical Engineering Journal</i> , 2022, 429, 132162.	6.6	31
2	Selective copper recovery from ammoniacal waste streams using a systematic biosorption process. <i>Chemosphere</i> , 2022, 286, 131935.	4.2	1
3	Metal- and covalent organic frameworks as catalyst for organic transformation: Comparative overview and future perspectives. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214259.	9.5	40
4	Model-based control of iron- and copper oxide particle distributions in porous γ -Al ₂ O ₃ microspheres through careful tuning of the interactions during impregnation. <i>Materials Chemistry and Physics</i> , 2022, 276, 125428.	2.0	5
5	Metal-organic and covalent organic frameworks for the remediation of aqueous dye solutions: Adsorptive, catalytic and extractive processes. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214332.	9.5	48
6	Construction of Tetrathiafulvalene-based Covalent Organic Frameworks for Superior Iodine Capture. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 409-414.	1.3	8
7	Metal-Free Chemoselective Reduction of Nitroarenes Catalyzed by Covalent Triazine Frameworks: The Role of Embedded Heteroatoms. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15287-15297.	4.0	6
8	Luminescent Nanorattles Based on Bipyridine Periodic Mesoporous Organosilicas for Simultaneous Thermometry and Catalysis. <i>Chemistry of Materials</i> , 2022, 34, 3770-3780.	3.2	6
9	Red edge effect and chromoselective photocatalysis with amorphous covalent triazine-based frameworks. <i>Nature Communications</i> , 2022, 13, 2171.	5.8	30
10	Effect of non-thermal plasma in the activation and regeneration of 13X zeolite for enhanced VOC elimination by cycled storage and discharge process. <i>Journal of Cleaner Production</i> , 2022, 364, 132687.	4.6	6
11	Chemical sensors based on periodic mesoporous organosilica @NaYF ₄ :Ln ³⁺ nanocomposites. <i>Dalton Transactions</i> , 2022, 51, 11467-11475.	1.6	5
12	Luminescent Ratiometric Thermometers Based on a 4f ¹³ d Grafted Covalent Organic Framework to Locally Measure Temperature Gradients During Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3727-3736.	7.2	39
13	A comprehensive model for the role of water and silanols in the amine catalyzed aldol reaction. <i>Chemical Engineering Journal</i> , 2021, 404, 127070.	6.6	7
14	Regeneration of Hopcalite used for the adsorption plasma catalytic removal of toluene by non-thermal plasma. <i>Journal of Hazardous Materials</i> , 2021, 402, 123877.	6.5	15
15	Combinatorial effects of coral addition and plasma treatment on the properties of chitosan/polyethylene oxide nanofibers intended for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2021, 253, 117211.	5.1	26
16	Luminescent Ratiometric Thermometers Based on a 4f ¹³ d Grafted Covalent Organic Framework to Locally Measure Temperature Gradients During Catalytic Reactions. <i>Angewandte Chemie</i> , 2021, 133, 3771-3780.	1.6	12
17	Identification of vanadium dopant sites in the metal-organic framework DUT-5(Al). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7088-7100.	1.3	1
18	A lanthanide-functionalized covalent triazine framework as a physiological molecular thermometer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6436-6444.	2.7	12

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19	Porous organic polymers as metal free heterogeneous organocatalysts. <i>Green Chemistry</i> , 2021, 23, 7361-7434.	4.6	54
20	Emergence of Metallic Conductivity in Ordered One-Dimensional Coordination Polymer Thin Films upon Reductive Doping. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10249-10256.	4.0	5
21	A Ru-Complex Tethered to a N-Rich Covalent Triazine Framework for Tandem Aerobic Oxidation-Knoevenagel Condensation Reactions. <i>Molecules</i> , 2021, 26, 838.	1.7	6
22	Overview of N-Rich Antennae Investigated in Lanthanide-Based Temperature Sensing. <i>Chemistry - A European Journal</i> , 2021, 27, 7214-7230.	1.7	19
23	Quantifying the Likelihood of Structural Models through a Dynamically Enhanced Powder X-Ray Diffraction Protocol. <i>Angewandte Chemie</i> , 2021, 133, 8995-9004.	1.6	0
24	Quantifying the Likelihood of Structural Models through a Dynamically Enhanced Powder X-Ray Diffraction Protocol. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8913-8922.	7.2	11
25	A Visible-Light-Harvesting Covalent Organic Framework Bearing Single Nickel Sites as a Highly Efficient Sulfur-Carbon Cross-Coupling Dual Catalyst. <i>Angewandte Chemie</i> , 2021, 133, 10915-10922.	1.6	17
26	A Visible-Light-Harvesting Covalent Organic Framework Bearing Single Nickel Sites as a Highly Efficient Sulfur-Carbon Cross-Coupling Dual Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10820-10827.	7.2	90
27	Bifunctional Noble-Metal-Free Catalyst for the Selective Aerobic Oxidation-Knoevenagel One-Pot Reaction: Encapsulation of Polyoxometalates into an Alkylamine-Modified MIL-101 Framework. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23558-23566.	4.0	13
28	Frontispiece: Overview of N-Rich Antennae Investigated in Lanthanide-Based Temperature Sensing. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0
29	Salen-decorated Periodic Mesoporous Organosilica: From Metal-assisted Epoxidation to Metal-free CO ₂ Insertion. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2126-2135.	1.7	3
30	Rigid Nanoporous Urea-Based Covalent Triazine Frameworks for C ₂ /C ₁ and CO ₂ /CH ₄ Gas Separation. <i>Molecules</i> , 2021, 26, 3670.	1.7	5
31	Photo-epoxidation of (1±, 1 ²)-pinene with molecular O ₂ catalyzed by a dioxo-molybdenum (VI)-based Metal-Organic Framework. <i>Research on Chemical Intermediates</i> , 2021, 47, 4227-4244.	1.3	9
32	Oxygen-rich poly-bisvanillonitrile embedded amorphous zirconium oxide nanoparticles as reusable and porous adsorbent for removal of arsenic species from water. <i>Journal of Hazardous Materials</i> , 2021, 413, 125356.	6.5	11
33	Ru Catalyst Encapsulated into the Pores of MIL-101 MOF: Direct Visualization by TEM. <i>Materials</i> , 2021, 14, 4531.	1.3	2
34	A "Defective"™ Conjugated Porous Poly-Azo as Dual Photocatalyst. <i>Catalysts</i> , 2021, 11, 1064.	1.6	3
35	An Overview of the Challenges and Progress of Synthesis, Characterization and Applications of Plugged SBA-15 Materials for Heterogeneous Catalysis. <i>Materials</i> , 2021, 14, 5082.	1.3	12
36	Hydrogenative Ring-Rearrangement of Furfural to Cyclopentanone over Pd/Uio-66-NO ₂ with Tunable Missing-Linker Defects. <i>Molecules</i> , 2021, 26, 5736.	1.7	10

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37	Upconverting Er ³⁺ /Yb ³⁺ Inorganic/Covalent Organic Framework Core-Shell Nanoplatfoms for Simultaneous Catalysis and Nanothermometry. ACS Applied Materials & Interfaces, 2021, 13, 47010-47018.	4.0	14
38	Hydrogen Clathrates: Next Generation Hydrogen Storage Materials. Energy Storage Materials, 2021, 41, 69-107.	9.5	89
39	Novel water-dispersible lanthanide-grafted covalent organic framework nanoplates for luminescent levofloxacin sensing and visual pH detection. Dyes and Pigments, 2021, 196, 109818.	2.0	19
40	Conquering the crystallinity conundrum: efforts to increase quality of covalent organic frameworks. Materials Advances, 2021, 2, 2811-2845.	2.6	29
41	Flexible luminescent non-lanthanide metal-organic frameworks as small molecules sensors. Dalton Transactions, 2021, 50, 14513-14531.	1.6	22
42	Chemical sensors based on a Eu(III)-centered periodic mesoporous organosilica hybrid material using picolinic acid as an efficient secondary ligand. Dalton Transactions, 2021, 50, 11061-11070.	1.6	4
43	Rational design of lanthanide nano periodic mesoporous organosilicas (Ln-nano-PMOs) for near-infrared emission. Dalton Transactions, 2021, 50, 2774-2781.	1.6	6
44	Hybrid Nanocomposites Formed by Lanthanide Nanoparticles in Zr-MOF for Local Temperature Measurements during Catalytic Reactions. Chemistry of Materials, 2021, 33, 8007-8017.	3.2	22
45	Sequential adsorption plasma catalytic abatement of toluene using metal oxide loaded MS-13X in packed bed DBD reactor. , 2021, , .		0
46	Creation of Exclusive Artificial Cluster Defects by Selective Metal Removal in the (Zn, Zr) Mixed-Metal UiO-66. Journal of the American Chemical Society, 2021, 143, 21511-21518.	6.6	40
47	Generating Catalytic Sites in UiO-66 through Defect Engineering. ACS Applied Materials & Interfaces, 2021, 13, 60715-60735.	4.0	86
48	Antibacterial activity of a porous silver doped TiO ₂ coating on titanium substrates synthesized by plasma electrolytic oxidation. Applied Surface Science, 2020, 500, 144235.	3.1	95
49	Amine-containing (nano-) Periodic Mesoporous Organosilica and its application in catalysis, sorption and luminescence. Microporous and Mesoporous Materials, 2020, 291, 109687.	2.2	39
50	Effect of Building Block Transformation in Covalent Triazine-Based Frameworks for Enhanced CO ₂ Uptake and Metal-Free Heterogeneous Catalysis. Chemistry - A European Journal, 2020, 26, 1548-1557.	1.7	23
51	Effect of Building Block Transformation in Covalent Triazine-Based Frameworks for Enhanced CO ₂ Uptake and Metal-Free Heterogeneous Catalysis. Chemistry - A European Journal, 2020, 26, 1441-1441.	1.7	0
52	Combined experimental and computational studies on preferential CO ₂ adsorption over a zinc-based porous framework solid. New Journal of Chemistry, 2020, 44, 1806-1816.	1.4	4
53	Aminated poly(ethylene glycol) methacrylate resins as stable heterogeneous catalysts for the aldol reaction in water. Journal of Catalysis, 2020, 381, 540-546.	3.1	17
54	Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF). Angewandte Chemie, 2020, 132, 1948-1956.	1.6	40

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55	Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1932-1940.	7.2	120
56	Structural and Photophysical Properties of Various Polypyridyl Ligands: A Combined Experimental and Computational Study. <i>ChemPhysChem</i> , 2020, 21, 2489-2505.	1.0	5
57	Plasma treatment effects on bulk properties of polycaprolactone nanofibrous mats fabricated by uncommon AC electrospinning: A comparative study. <i>Surface and Coatings Technology</i> , 2020, 399, 126203.	2.2	27
58	Strongly Reducing (Diaryl-amino)benzene-Based Covalent Organic Framework for Metal-Free Visible Light Photocatalytic H ₂ O ₂ Generation. <i>Journal of the American Chemical Society</i> , 2020, 142, 20107-20116.	6.6	239
59	Abatement of Toluene Using a Sequential Adsorption-Catalytic Oxidation Process: Comparative Study of Potential Adsorbent/Catalytic Materials. <i>Catalysts</i> , 2020, 10, 761.	1.6	7
60	Development of Stable Oxygen Carrier Materials for Chemical Looping Processes—A Review. <i>Catalysts</i> , 2020, 10, 926.	1.6	58
61	Illustrating the Role of Quaternary-N of BINOL Covalent Triazine-Based Frameworks in Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44689-44699.	4.0	37
62	Structural and Photophysical Properties of Various Polypyridyl Ligands: A Combined Experimental and Computational Study. <i>ChemPhysChem</i> , 2020, 21, 2488-2488.	1.0	0
63	Fabrication of Microporous Coatings on Titanium Implants with Improved Mechanical, Antibacterial, and Cell-Interactive Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30155-30169.	4.0	27
64	Visible and NIR Upconverting Er ³⁺ –Yb ³⁺ Luminescent Nanorattles and Other Hybrid PMO-Inorganic Structures for In Vivo Nanothermometry. <i>Advanced Functional Materials</i> , 2020, 30, 2003101.	7.8	83
65	Ni-Rich Porous Polymer with Isolated Tb ³⁺ Ions Displays Unique Temperature Dependent Behavior through the Absence of Thermal Quenching. <i>Chemistry - A European Journal</i> , 2020, 26, 15596-15604.	1.7	4
66	Microalgae: a sustainable adsorbent with high potential for upconcentration of indium(III) from liquid process and waste streams. <i>Green Chemistry</i> , 2020, 22, 1985-1995.	4.6	14
67	Metal-free activation of molecular oxygen by covalent triazine frameworks for selective aerobic oxidation. <i>Science Advances</i> , 2020, 6, eaaz2310.	4.7	58
68	Lanthanide-Grafted Bipyridine Periodic Mesoporous Organosilicas (BPy-PMOs) for Physiological Range and Wide Temperature Range Luminescence Thermometry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13540-13550.	4.0	44
69	Thiol-Functionalized Ethylene Periodic Mesoporous Organosilica as an Efficient Scavenger for Palladium: Confirming the Homogeneous Character of the Suzuki Reaction. <i>Materials</i> , 2020, 13, 623.	1.3	5
70	Elucidating the promotional effect of a covalent triazine framework in aerobic oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118769.	10.8	17
71	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020, 3, 2373-2382.	2.4	19
72	Covalent triazine framework/carbon nanotube hybrids enabling selective reduction of CO ₂ to CO at low overpotential. <i>Green Chemistry</i> , 2020, 22, 3095-3103.	4.6	16

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73	Engineering a Highly Defective Stable UiO-66 with Tunable Lewis- Brønsted Acidity: The Role of the Hemilabile Linker. <i>Journal of the American Chemical Society</i> , 2020, 142, 3174-3183.	6.6	156
74	Covalent triazine frameworks – a sustainable perspective. <i>Green Chemistry</i> , 2020, 22, 1038-1071.	4.6	138
75	Rücktitelbild: Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF) (<i>Angew. Chem.</i> 5/2020). <i>Angewandte Chemie</i> , 2020, 132, 2144-2144.	1.6	0
76	Light-Emitting Lanthanide Periodic Mesoporous Organosilica (PMO) Hybrid Materials. <i>Materials</i> , 2020, 13, 566.	1.3	21
77	POM@MOF Hybrids: Synthesis and Applications. <i>Catalysts</i> , 2020, 10, 578.	1.6	56
78	Development of Covalent Triazine Frameworks as Heterogeneous Catalytic Supports. <i>Polymers</i> , 2019, 11, 1326.	2.0	38
79	Lanthanide grafted phenanthroline-polymer for physiological temperature range sensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10972-10980.	2.7	18
80	Optical Properties of Isolated and Covalent Organic Framework-Embedded Ruthenium Complexes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6854-6867.	1.1	7
81	EPR characterization of vanadium dopant sites in DUT-5(Al). <i>Optical Materials</i> , 2019, 94, 217-223.	1.7	4
82	Sustainable iron-based oxygen carriers for hydrogen production – Real-time operando investigation. <i>International Journal of Greenhouse Gas Control</i> , 2019, 88, 393-402.	2.3	7
83	Triggering White-Light Emission in a 2D Imine Covalent Organic Framework Through Lanthanide Augmentation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27343-27352.	4.0	90
84	Novel hexaazatrinaphthalene-based covalent triazine frameworks as high-performance platforms for efficient carbon capture and storage. <i>Microporous and Mesoporous Materials</i> , 2019, 290, 109650.	2.2	18
85	White Light Emission Properties of Defect Engineered Metal–Organic Frameworks by Encapsulation of Eu^{3+} and Tb^{3+} . <i>Crystal Growth and Design</i> , 2019, 19, 6339-6350.	1.4	35
86	The Influence of Pre-Electrospinning Plasma Treatment on Physicochemical Characteristics of PLA Nanofibers. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900391.	1.7	1
87	Ce(III)-Based Frameworks: From 1D Chain to 3D Porous Metal–Organic Framework. <i>Crystal Growth and Design</i> , 2019, 19, 7096-7105.	1.4	15
88	Kinetic evaluation of chitosan-derived catalysts for the aldol reaction in water. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1948-1956.	1.9	11
89	Dialdehyde carboxymethyl cellulose cross-linked chitosan for the recovery of palladium and platinum from aqueous solution. <i>Reactive and Functional Polymers</i> , 2019, 141, 145-154.	2.0	47
90	High-nitrogen containing covalent triazine frameworks as basic catalytic support for the Cu-catalyzed Henry reaction. <i>Journal of Catalysis</i> , 2019, 375, 242-248.	3.1	28

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91	Chemical sensors based on nano-sized lanthanide-grafted periodic mesoporous organosilica hybrid materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8109-8119.	2.7	33
92	An aliphatic hexene-covalent triazine framework for selective acetylene/methane and ethylene/methane separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13188-13196.	5.2	30
93	Functionalized periodic mesoporous organosilicas: from metal free catalysis to sensing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14060-14069.	5.2	21
94	Mixed-metal metal-organic frameworks. <i>Chemical Society Reviews</i> , 2019, 48, 2535-2565.	18.7	474
95	Functionalized chitosan adsorbents allow recovery of palladium and platinum from acidic aqueous solutions. <i>Green Chemistry</i> , 2019, 21, 2295-2306.	4.6	81
96	Electronic properties of heterogenized Ru(II) polypyridyl photoredox complexes on covalent triazine frameworks. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8433-8442.	5.2	6
97	Nanothermometers based on lanthanide incorporated Periodic Mesoporous Organosilica. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4222-4229.	2.7	22
98	Luminescent Graphene-Based Materials via Europium Complexation on Dipyrrolylpyridazine-Functionalized Graphene Sheets. <i>Chemistry - A European Journal</i> , 2019, 25, 6823-6830.	1.7	14
99	Mechanochemical Synthesis of a New Triptycene-Based Imine-Linked Covalent Organic Polymer for Degradation of Organic Dye. <i>Crystal Growth and Design</i> , 2019, 19, 2525-2530.	1.4	46
100	Immobilization of Ir(III) complex on covalent triazine frameworks for C-H borylation reactions: A combined experimental and computational study. <i>Journal of Catalysis</i> , 2019, 371, 135-143.	3.1	37
101	Straightforward preparation of fluorinated covalent triazine frameworks with significantly enhanced carbon dioxide and hydrogen adsorption capacities. <i>Dalton Transactions</i> , 2019, 48, 17612-17619.	1.6	15
102	Progress in hydrometallurgical technologies to recover critical raw materials and precious metals from low-concentrated streams. <i>Resources, Conservation and Recycling</i> , 2019, 142, 177-188.	5.3	73
103	Catalytic oxidative desulfurization of model and real diesel over a molybdenum anchored metal-organic framework. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 245-252.	2.2	46
104	Rational design of nucleophilic amine sites via computational probing of steric and electronic effects. <i>Catalysis Today</i> , 2019, 334, 96-103.	2.2	15
105	Sustainable iron-based oxygen carriers for Chemical Looping for Hydrogen Generation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1374-1391.	3.8	47
106	Metal-Organic-framework Nanoparticles: Synthesis, Characterization and Catalytic Applications. <i>RSC Catalysis Series</i> , 2019, , 132-162.	0.1	2
107	A fluorine-containing hydrophobic covalent triazine framework with excellent selective CO_2 capture performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6370-6375.	5.2	105
108	Wet-Chemical Synthesis of Enhanced-Thermopower Nanowire Composites for Solid-State Active Cooling of Electronics. <i>Physical Review Applied</i> , 2018, 9, .	1.5	7

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109	An anionic metal-organic framework as a platform for charge-and size-dependent selective removal of cationic dyes. <i>Dyes and Pigments</i> , 2018, 156, 332-337.	2.0	31
110	Removal of arsenic and mercury species from water by covalent triazine framework encapsulated β -Fe ₂ O ₃ nanoparticles. <i>Journal of Hazardous Materials</i> , 2018, 353, 312-319.	6.5	83
111	Exploring Lanthanide Doping in UiO-66: A Combined Experimental and Computational Study of the Electronic Structure. <i>Inorganic Chemistry</i> , 2018, 57, 5463-5474.	1.9	51
112	Catalytic carpets: Pt@MIL-101@electrospun PCL, a surprisingly active and robust hydrogenation catalyst. <i>Journal of Catalysis</i> , 2018, 360, 81-88.	3.1	21
113	Luminescent thermometer based on Eu ³⁺ /Tb ³⁺ -organic-functionalized mesoporous silica. <i>Luminescence</i> , 2018, 33, 567-573.	1.5	17
114	Titania-functionalized diatom frustules as photocatalyst for indoor air purification. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 303-310.	10.8	21
115	Elucidating the Vibrational Fingerprint of the Flexible Metal-Organic Framework MIL-53(Al) Using a Combined Experimental/Computational Approach. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2734-2746.	1.5	70
116	Mineralization of gellan gum hydrogels with calcium and magnesium carbonates by alternate soaking in solutions of calcium/magnesium and carbonate ion solutions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1825-1834.	1.3	18
117	The role of water in the reusability of aminated silica catalysts for aldol reactions. <i>Journal of Catalysis</i> , 2018, 361, 51-61.	3.1	39
118	Processing and characterization of Fe-based oxygen carriers for chemical looping for hydrogen production. <i>International Journal of Greenhouse Gas Control</i> , 2018, 70, 12-21.	2.3	25
119	Periodic mesoporous organosilicas as porous matrix for heterogeneous lyophobic systems. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 166-171.	2.2	14
120	Effect of composition and preparation of supported MoO ₃ catalysts for anisole hydrodeoxygenation. <i>Chemical Engineering Journal</i> , 2018, 335, 120-132.	6.6	79
121	Template-dependent hydrophobicity in mesoporous organosilica films. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 111-115.	2.2	7
122	Newly Designed Covalent Triazine Framework Based on Novel N-Heteroaromatic Building Blocks for Efficient CO ₂ and H ₂ Capture and Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1244-1249.	4.0	68
123	PMO-immobilized Au ^I -NHC Complexes: Heterogeneous Catalysts for Sustainable Processes. <i>ChemPhysChem</i> , 2018, 19, 430-436.	1.0	13
124	Metal Organic Frameworks Based Materials for Heterogeneous Photocatalysis. <i>Molecules</i> , 2018, 23, 2947.	1.7	69
125	A Heterogeneous Hydrogen-Evolution Catalyst Based on a Mesoporous Organosilica with a Diiron Catalytic Center Modelling [FeFe]-Hydrogenase. <i>ChemCatChem</i> , 2018, 10, 4894-4899.	1.8	10
126	l-proline modulated zirconium metal organic frameworks: Simple chiral catalysts for the aldol addition reaction. <i>Journal of Catalysis</i> , 2018, 365, 36-42.	3.1	65

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127	Tuning the Properties of Periodic Mesoporous Organosilica Films for Low- κ Application by Gemini Surfactants. <i>ChemPhysChem</i> , 2018, 19, 2295-2298.	1.0	2
128	Luminescent Lanthanide MOFs: A Unique Platform for Chemical Sensing. <i>Materials</i> , 2018, 11, 572.	1.3	145
129	Acetylacetone Covalent Triazine Framework: An Efficient Carbon Capture and Storage Material and a Highly Stable Heterogeneous Catalyst. <i>Chemistry of Materials</i> , 2018, 30, 4102-4111.	3.2	78
130	A cheap mesoporous silica from fly ash as an outstanding adsorbent for sulfate in water. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 184-192.	2.2	27
131	Enzymatically biomineralized chitosan scaffolds for tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1500-1513.	1.3	23
132	Bioinspired, biomimetic, double-enzymatic mineralization of hydrogels for bone regeneration with calcium carbonate. <i>Materials Letters</i> , 2017, 190, 13-16.	1.3	32
133	Application toward Confocal Full-Field Microscopic X-ray Absorption Near Edge Structure Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 2123-2130.	3.2	6
134	POM@IL-MOFs – inclusion of POMs in ionic liquid modified MOFs to produce recyclable oxidation catalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 1478-1487.	2.1	55
135	Ca:Mg:Zn:CO ₃ and Ca:Mg:CO ₃ – tri- and bi-elemental carbonate microparticles for novel injectable self-gelling hydrogel – microparticle composites for tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 025015.	1.7	11
136	Structural and catalytic properties of Au/MgO-type catalysts prepared in aqueous or methanol phase: application in the CO oxidation reaction. <i>Journal of Materials Science</i> , 2017, 52, 4727-4741.	1.7	7
137	Soft templated mesoporous carbons: Tuning the porosity for the adsorption of large organic pollutants. <i>Carbon</i> , 2017, 116, 528-546.	5.4	116
138	Synthesis, characterization and catalytic performance of Mo based metal-organic frameworks in the epoxidation of propylene by cumene hydroperoxide. <i>Chinese Chemical Letters</i> , 2017, 28, 1057-1061.	4.8	14
139	Ship-in-a-bottle CMPO in MIL-101(Cr) for selective uranium recovery from aqueous streams through adsorption. <i>Journal of Hazardous Materials</i> , 2017, 335, 1-9.	6.5	90
140	One-pot preparation of Ni-Cu nanoparticles supported on γ -Al ₂ O ₃ as selective and stable catalyst for the Guerbet reaction of 1-octanol. <i>Catalysis Communications</i> , 2017, 98, 94-97.	1.6	7
141	Polar protic solvent-trapping polymorphism of the Hg ^{II} -hydrazone coordination polymer: experimental and theoretical findings. <i>CrystEngComm</i> , 2017, 19, 3017-3025.	1.3	27
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