

Pascal Van Der Voort

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

363
papers

13,032
citations

59
h-index

92
g-index

410
ext. papers

14,962
ext. citations

6.3
avg, IF

6.69
L-index

#	Paper	IF	Citations
363	Model-based control of iron- and copper oxide particle distributions in porous Al_2O_3 microspheres through careful tuning of the interactions during impregnation. <i>Materials Chemistry and Physics</i> , 2022 , 276, 125428	4.4	1
362	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	23.2	5
361	Metal- and covalent organic frameworks as catalyst for organic transformation: Comparative overview and future perspectives. <i>Coordination Chemistry Reviews</i> , 2022 , 451, 214259	23.2	7
360	Amidoxime-functionalized covalent organic framework as simultaneous luminescent sensor and adsorbent for organic arsenic from water. <i>Chemical Engineering Journal</i> , 2022 , 429, 132162	14.7	6
359	Selective copper recovery from ammoniacal waste streams using a systematic biosorption process. <i>Chemosphere</i> , 2022 , 286, 131935	8.4	
358	Red edge effect and chromoselective photocatalysis with amorphous covalent triazine-based frameworks.. <i>Nature Communications</i> , 2022 , 13, 2171	17.4	2
357	Hybrid Nanocomposites Formed by Lanthanide Nanoparticles in Zr-MOF for Local Temperature Measurements during Catalytic Reactions. <i>Chemistry of Materials</i> , 2021 , 33, 8007-8017	9.6	8
356	Overview of N-Rich Antennae Investigated in Lanthanide-Based Temperature Sensing. <i>Chemistry - A European Journal</i> , 2021 , 27, 7214-7230	4.8	5
355	Quantifying the Likelihood of Structural Models through a Dynamically Enhanced Powder X-Ray Diffraction Protocol. <i>Angewandte Chemie</i> , 2021 , 133, 8995-9004	3.6	
354	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	16.4	2
353	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	3.6	5
352	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	16.4	28
351	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	9.5	4
350	Salen-decorated Periodic Mesoporous Organosilica: From Metal-assisted Epoxidation to Metal-free CO Insertion. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2126-2135	4.5	1
349	Rigid Nanoporous Urea-Based Covalent Triazine Frameworks for C_2/C_1 and CO/CH_4 Gas Separation. <i>Molecules</i> , 2021 , 26,	4.8	2
348	Photo-epoxidation of α -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	2.8	1
347	Luminescent Ratiometric Thermometers Based on a 4f-3d Grafted Covalent Organic Framework to Locally Measure Temperature Gradients During Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3727-3736	16.4	7

346	A comprehensive model for the role of water and silanols in the amine catalyzed aldol reaction. <i>Chemical Engineering Journal</i> , 2021 , 404, 127070	14.7	2
345	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	12.8	8
344	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	10.3	12
343	Luminescent Ratiometric Thermometers Based on a 4fBd Grafted Covalent Organic Framework to Locally Measure Temperature Gradients During Catalytic Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 3771-3780	3.6	7
342	Identification of vanadium dopant sites in the metal-organic framework DUT-5(Al). <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 7088-7100	3.6	
341	A lanthanide-functionalized covalent triazine framework as a physiological molecular thermometer. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 6436-6444	7.1	2
340	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	9.5	2
339	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	12.8	5
338	A Defective Conjugated Porous Poly-Azo as Dual Photocatalyst. <i>Catalysts</i> , 2021 , 11, 1064	4	2
337	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,	3.5	3
336	Hydrogenative Ring-Rearrangement of Furfural to Cyclopentanone over Pd/UiO-66-NO with Tunable Missing-Linker Defects. <i>Molecules</i> , 2021 , 26,	4.8	2
335	Upconverting Er-Yb Inorganic/Covalent Organic Framework Core-Shell Nanoplatforms for Simultaneous Catalysis and Nanothermometry. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47010-47018	9.5	1
334	Hydrogen Clathrates: Next Generation Hydrogen Storage Materials. <i>Energy Storage Materials</i> , 2021 , 41, 69-107	19.4	16
333	Novel water-dispersible lanthanide-grafted covalent organic framework nanoplates for luminescent levofloxacin sensing and visual pH detection. <i>Dyes and Pigments</i> , 2021 , 196, 109818	4.6	2
332	Conquering the crystallinity conundrum: efforts to increase quality of covalent organic frameworks. <i>Materials Advances</i> , 2021 , 2, 2811-2845	3.3	5
331	Flexible luminescent non-lanthanide metal-organic frameworks as small molecules sensors. <i>Dalton Transactions</i> , 2021 , 50, 14513-14531	4.3	6
330	Chemical sensors based on a Eu(iii)-centered periodic mesoporous organosilica hybrid material using picolinic acid as an efficient secondary ligand. <i>Dalton Transactions</i> , 2021 , 50, 11061-11070	4.3	0
329	Rational design of lanthanide nano periodic mesoporous organosilicas (Ln-nano-PMOs) for near-infrared emission. <i>Dalton Transactions</i> , 2021 , 50, 2774-2781	4.3	3

328	Creation of Exclusive Artificial Cluster Defects by Selective Metal Removal in the (Zn, Zr) Mixed-Metal UiO-66. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	4
327	Structural and Photophysical Properties of Various Polypyridyl Ligands: A Combined Experimental and Computational Study. <i>ChemPhysChem</i> , 2020 , 21, 2488-2488	3.2	
326	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	9.5	9
325	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	15.6	36
324	N-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	4.8	2
323	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	10	8
322	Metal-free activation of molecular oxygen by covalent triazine frameworks for selective aerobic oxidation. <i>Science Advances</i> , 2020 , 6, eaaz2310	14.3	32
321	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	9.5	31
320	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,	3.5	4
319	Elucidating the promotional effect of a covalent triazine framework in aerobic oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118769	21.8	7
318	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2373-2382	5.6	10
317	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	10	8
316	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	16.4	73
315	Covalent triazine frameworks – a sustainable perspective. <i>Green Chemistry</i> , 2020 , 22, 1038-1071	10	75
314	Rücktitelbild: Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF) (Angew. Chem. 5/2020). <i>Angewandte Chemie</i> , 2020 , 132, 2144-2144	3.6	
313	Light-Emitting Lanthanide Periodic Mesoporous Organosilica (PMO) Hybrid Materials. <i>Materials</i> , 2020 , 13,	3.5	13
312	POM@MOF Hybrids: Synthesis and Applications. <i>Catalysts</i> , 2020 , 10, 578	4	21
311	Effect of Building Block Transformation in Covalent Triazine-Based Frameworks for Enhanced CO Uptake and Metal-Free Heterogeneous Catalysis. <i>Chemistry - A European Journal</i> , 2020 , 26, 1548-1557	4.8	16

310	Effect of Building Block Transformation in Covalent Triazine-Based Frameworks for Enhanced CO Uptake and Metal-Free Heterogeneous Catalysis. <i>Chemistry - A European Journal</i> , 2020 , 26, 1441	4.8	
309	Combined experimental and computational studies on preferential CO ₂ adsorption over a zinc-based porous framework solid. <i>New Journal of Chemistry</i> , 2020 , 44, 1806-1816	3.6	2
308	Aminated poly(ethylene glycol) methacrylate resins as stable heterogeneous catalysts for the aldol reaction in water. <i>Journal of Catalysis</i> , 2020 , 381, 540-546	7.3	7
307	Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF). <i>Angewandte Chemie</i> , 2020 , 132, 1948-1956	3.6	22
306	Developing Luminescent Ratiometric Thermometers Based on a Covalent Organic Framework (COF). <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1932-1940	16.4	67
305	Structural and Photophysical Properties of Various Polypyridyl Ligands: A Combined Experimental and Computational Study. <i>ChemPhysChem</i> , 2020 , 21, 2489-2505	3.2	1
304	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	4.4	13
303	Strongly Reducing (Diarylamino)benzene-Based Covalent Organic Framework for Metal-Free Visible Light Photocatalytic HO ₂ Generation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20107-20116	16.4	56
302	Abatement of Toluene Using a Sequential Adsorption-Catalytic Oxidation Process: Comparative Study of Potential Adsorbent/Catalytic Materials. <i>Catalysts</i> , 2020 , 10, 761	4	2
301	Development of Stable Oxygen Carrier Materials for Chemical Looping Processes: A Review. <i>Catalysts</i> , 2020 , 10, 926	4	17
300	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	8.5	19
299	Antibacterial activity of a porous silver doped TiO ₂ coating on titanium substrates synthesized by plasma electrolytic oxidation. <i>Applied Surface Science</i> , 2020 , 500, 144235	6.7	48
298	Amine-containing (nano-) Periodic Mesoporous Organosilica and its application in catalysis, sorption and luminescence. <i>Microporous and Mesoporous Materials</i> , 2020 , 291, 109687	5.3	23
297	Ce(III)-Based Frameworks: From 1D Chain to 3D Porous Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2019 , 19, 7096-7105	3.5	10
296	Kinetic evaluation of chitosan-derived catalysts for the aldol reaction in water. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 1948-1956	4.9	6
295	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	4.6	24
294	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	7.3	15
293	Chemical sensors based on nano-sized lanthanide-grafted periodic mesoporous organosilica hybrid materials. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8109-8119	7.1	22

292	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	13	20
291	Functionalized periodic mesoporous organosilicas: from metal free catalysis to sensing. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14060-14069	13	15
290	Mixed-metal metal-organic frameworks. <i>Chemical Society Reviews</i> , 2019 , 48, 2535-2565	58.5	292
289	Functionalized chitosan adsorbents allow recovery of palladium and platinum from acidic aqueous solutions. <i>Green Chemistry</i> , 2019 , 21, 2295-2306	10	49
288	Electronic properties of heterogenized Ru(II) polypyridyl photoredox complexes on covalent triazine frameworks. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8433-8442	13	4
287	Nanothermometers based on lanthanide incorporated Periodic Mesoporous Organosilica. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4222-4229	7.1	14
286	Luminescent Graphene-Based Materials via Europium Complexation on Dipyridylpyridazine-Functionalized Graphene Sheets. <i>Chemistry - A European Journal</i> , 2019 , 25, 6823-6830	4.8	6
285	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	3.5	25
284	Immobilization of Ir(I) 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	7.3	22
283	Development of Covalent Triazine Frameworks as Heterogeneous Catalytic Supports. <i>Polymers</i> , 2019 , 11,	4.5	21
282	Lanthanide grafted phenanthroline-polymer for physiological temperature range sensing. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10972-10980	7.1	14
281	Optical Properties of Isolated and Covalent Organic Framework-Embedded Ruthenium Complexes. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6854-6867	2.8	5
280	EPR characterization of vanadium dopant sites in DUT-5(Al). <i>Optical Materials</i> , 2019 , 94, 217-223	3.3	3
279	Sustainable iron-based oxygen carriers for hydrogen production [Real-time operando investigation. <i>International Journal of Greenhouse Gas Control</i> , 2019 , 88, 393-402	4.2	5
278	Triggering White-Light Emission in a 2D Imine Covalent Organic Framework Through Lanthanide Augmentation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27343-27352	9.5	54
277	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	5.3	12
276	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	3.5	20
275	The Influence of Pre-Electrospinning Plasma Treatment on Physicochemical Characteristics of PLA Nanofibers. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1900391	3.9	1

274	Chapter 5: Metal-Organic-framework Nanoparticles: Synthesis, Characterization and Catalytic Applications. <i>RSC Catalysis Series</i> , 2019 , 132-162	0.3	2
273	Straightforward preparation of fluorinated covalent triazine frameworks with significantly enhanced carbon dioxide and hydrogen adsorption capacities. <i>Dalton Transactions</i> , 2019 , 48, 17612-17619	4.3	12
272	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	11.9	48
271	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	5.3	29
270	Rational design of nucleophilic amine sites via computational probing of steric and electronic effects. <i>Catalysis Today</i> , 2019 , 334, 96-103	5.3	7
269	Sustainable iron-based oxygen carriers for Chemical Looping for Hydrogen Generation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1374-1391	6.7	28
268	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	13	74
267	Wet-Chemical Synthesis of Enhanced-Thermopower Bi _{1-x} Sbx Nanowire Composites for Solid-State Active Cooling of Electronics. <i>Physical Review Applied</i> , 2018 , 9,	4.3	6
266	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	4.6	24
265	Removal of arsenic and mercury species from water by covalent triazine framework encapsulated FeO nanoparticles. <i>Journal of Hazardous Materials</i> , 2018 , 353, 312-319	12.8	60
264	Exploring Lanthanide Doping in UiO-66: A Combined Experimental and Computational Study of the Electronic Structure. <i>Inorganic Chemistry</i> , 2018 , 57, 5463-5474	5.1	34
263	Catalytic carpets: Pt@MIL-101@electrospun PCL, a surprisingly active and robust hydrogenation catalyst. <i>Journal of Catalysis</i> , 2018 , 360, 81-88	7.3	17
262	Luminescent thermometer based on Eu /Tb -organic-functionalized mesoporous silica. <i>Luminescence</i> , 2018 , 33, 567-573	2.5	11
261	Titania-functionalized diatom frustules as photocatalyst for indoor air purification. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 303-310	21.8	15
260	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	3.8	46
259	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	4.4	13
258	Encapsulated Metallic Nanoparticles in Metal-Organic Frameworks: Toward Their Use in Catalysis 2018 , 399-445		2
257	The role of water in the reusability of aminated silica catalysts for aldol reactions. <i>Journal of Catalysis</i> , 2018 , 361, 51-61	7.3	26

256	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	4.2	18
255	Periodic mesoporous organosilicas as porous matrix for heterogeneous lyophobic systems. <i>Microporous and Mesoporous Materials</i> , 2018 , 260, 166-171	5.3	12
254	Effect of composition and preparation of supported MoO ₃ catalysts for anisole hydrodeoxygenation. <i>Chemical Engineering Journal</i> , 2018 , 335, 120-132	14.7	51
253	Template-dependent hydrophobicity in mesoporous organosilica films. <i>Microporous and Mesoporous Materials</i> , 2018 , 259, 111-115	5.3	6
252	Tuning the Properties of Periodic Mesoporous Organosilica Films for Low-k Application by Gemini Surfactants. <i>ChemPhysChem</i> , 2018 , 19, 2295-2298	3.2	2
251	Luminescent Lanthanide MOFs: A Unique Platform for Chemical Sensing. <i>Materials</i> , 2018 , 11,	3.5	85
250	Acetylacetonone 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	9.6	63
249	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	5.3	18
248	Newly Designed Covalent Triazine Framework Based on Novel N-Heteroaromatic Building Blocks for Efficient CO and H Capture and Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1244-1249	9.5	59
247	PMO-Immobilized Au -NHC Complexes: Heterogeneous Catalysts for Sustainable Processes. <i>ChemPhysChem</i> , 2018 , 19, 430-436	3.2	7
246	Metal Organic Frameworks Based Materials for Heterogeneous Photocatalysis. <i>Molecules</i> , 2018 , 23,	4.8	44
245	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	5.2	7
244	l-proline modulated zirconium metal organic frameworks: Simple chiral catalysts for the aldol addition reaction. <i>Journal of Catalysis</i> , 2018 , 365, 36-42	7.3	43
243	Enzymatically biomineralized chitosan scaffolds for tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 1500-1513	4.4	19
242	Bioinspired, biomimetic, double-enzymatic mineralization of hydrogels for bone regeneration with calcium carbonate. <i>Materials Letters</i> , 2017 , 190, 13-16	3.3	26
241	Application toward Confocal Full-Field Microscopic X-ray Absorption Near Edge Structure Spectroscopy. <i>Analytical Chemistry</i> , 2017 , 89, 2123-2130	7.8	5
240	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	5.5	42
239	Ca:Mg:Zn:CO and Ca:Mg:CO-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	3.5	11

238	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	4.3	7
237	Soft templated mesoporous carbons: Tuning the porosity for the adsorption of large organic pollutants. <i>Carbon</i> , 2017 , 116, 528-546	10.4	92
236	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	8.1	10
235	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	12.8	72
234	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	3.2	7
233	Polar protic solvent-trapping polymorphism of the HgII-hydrazone coordination polymer: experimental and theoretical findings. <i>CrystEngComm</i> , 2017 , 19, 3017-3025	3.3	22
232	Carbamoylmethylphosphine Oxide-Functionalized MIL-101(Cr) as Highly Selective Uranium Adsorbent. <i>Analytical Chemistry</i> , 2017 , 89, 5678-5682	7.8	43
231	Tunable Large Pore Mesoporous Carbons for the Enhanced Adsorption of Humic Acid. <i>Langmuir</i> , 2017 , 33, 6769-6777	4	24
230	Thiol-ethylene bridged PMO: A high capacity regenerable mercury adsorbent via intrapore mercury thiolate crystal formation. <i>Journal of Hazardous Materials</i> , 2017 , 339, 368-377	12.8	22
229	Temperature dependent NIR emitting lanthanide-PMO/silica hybrid materials. <i>Dalton Transactions</i> , 2017 , 46, 7878-7887	4.3	25
228	Synthesis of L-serine modified benzene bridged periodic mesoporous organosilica and its catalytic performance towards aldol condensations. <i>Microporous and Mesoporous Materials</i> , 2017 , 251, 1-8	5.3	10
227	Enzymatic, urease-mediated mineralization of gellan gum hydrogel with calcium carbonate, magnesium-enriched calcium carbonate and magnesium carbonate for bone regeneration applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 3556-3566	4.4	25
226	UiO-66-(SH) as stable, selective and regenerable adsorbent for the removal of mercury from water under environmentally-relevant conditions. <i>Faraday Discussions</i> , 2017 , 201, 145-161	3.6	48
225	Lanthanide "Chameleon" Multistage Anti-Counterfeit Materials. <i>Advanced Functional Materials</i> , 2017 , 27, 1700258	15.6	62
224	Missing Linkers: An Alternative Pathway to UiO-66 Electronic Structure Engineering. <i>Chemistry of Materials</i> , 2017 , 29, 3006-3019	9.6	120
223	Recent advances on the utilization of layered double hydroxides (LDHs) and related heterogeneous catalysts in a lignocellulosic-feedstock biorefinery scheme. <i>Green Chemistry</i> , 2017 , 19, 5269-5302	10	60
222	A series of sulfonic acid functionalized mixed-linker DUT-4 analogues: synthesis, gas sorption properties and catalytic performance. <i>Dalton Transactions</i> , 2017 , 46, 14356-14364	4.3	10
221	Discovery of a novel, large pore phase in a bimetallic Al/V metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24580-24584	13	9

220	Continuous-feed nanocasting process for the synthesis of bismuth nanowire composites. <i>Chemical Communications</i> , 2017 , 53, 12294-12297	5.8	6
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