

Markus J Kalmutzki

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

41

papers

1,783

citations

16

h-index

42

g-index

47

ext. papers

2,404

ext. citations

9.2

avg, IF

5.45

L-index

#	Paper	IF	Citations
41	Der derzeitige Stand von MOF- und COF-Anwendungen. <i>Angewandte Chemie</i> , 2021 , 133, 24174	3.6	4
40	The Current Status of MOF and COF Applications. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23975-24001	16.4	75
39	Emergence of Metal-Organic Frameworks 2019 , 1-27		3
38	Functionalization of COFs 2019 , 245-266		
37	Nanoscopic and Macroscopic Structuring of Covalent Organic Frameworks 2019 , 267-283		
36	The Applications of Reticular Framework Materials 2019 , 285-293		1
35	The Basics of Gas Sorption and Separation in MOFs 2019 , 295-311		
34	CO2 Capture and Sequestration 2019 , 313-338		1
33	Hydrogen and Methane Storage in MOFs 2019 , 339-363		
32	Liquid- and Gas-Phase Separation in MOFs 2019 , 365-393		2
31	Water Sorption Applications of MOFs 2019 , 395-427		2
30	Metal-Organic Polyhedra and Covalent Organic Polyhedra 2019 , 453-462		1
29	Determination and Design of Porosity 2019 , 29-56		1
28	Zeolithic Imidazolate Frameworks 2019 , 463-479		1
27	Dynamic Frameworks 2019 , 481-496		
26	Building Units of MOFs 2019 , 57-81		1
25	Binary Metal-Organic Frameworks 2019 , 83-119		

24	Complexity and Heterogeneity in MOFs 2019 , 121-144		
23	Functionalization of MOFs 2019 , 145-176		
22	Historical Perspective on the Discovery of Covalent Organic Frameworks 2019 , 177-195	1	
21	Linkages in Covalent Organic Frameworks 2019 , 197-223		
20	Reticular Design of Covalent Organic Frameworks 2019 , 225-243	1	
19	Identification of the strong Brønsted acid site in a metal-organic framework solid acid catalyst. <i>Nature Chemistry</i> , 2019 , 11, 170-176	17.6	134
18	Practical water production from desert air. <i>Science Advances</i> , 2018 , 4, eaat3198	14.3	214
17	Metal-Organic Frameworks for Water Harvesting from Air. <i>Advanced Materials</i> , 2018 , 30, e1704304	24	291
16	Secondary building units as the turning point in the development of the reticular chemistry of MOFs. <i>Science Advances</i> , 2018 , 4, eaat9180	14.3	342
15	Conceptual Advances from Werner Complexes to Metal-Organic Frameworks. <i>ACS Central Science</i> , 2018 , 4, 1457-1464	16.8	67
14	Formation, Structure, and Frequency-Doubling Effect of a Modification of Strontium Cyanurate (SCY). <i>Inorganic Chemistry</i> , 2017 , 56, 3357-3362	5.1	17
13	Spiers Memorial Lecture: Progress and prospects of reticular chemistry. <i>Faraday Discussions</i> , 2017 , 201, 9-45	3.6	67
12	The Chemistry of CO Capture in an Amine-Functionalized Metal-Organic Framework under Dry and Humid Conditions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12125-12128	16.4	269
11	Covalent Organic Frameworks-Organic Chemistry Beyond the Molecule. <i>Molecules</i> , 2017 , 22,	4.8	21
10	Second harmonic generation properties of Ca ₃ (O ₃ C ₃ N ₃) ₂ -Sr ₃ (O ₃ C ₃ N ₃) ₂ solid solutions. <i>Crystal Research and Technology</i> , 2016 , 51, 460-465	1.3	15
9	Synthesis, Structure, and Luminescence of Rare Earth Cyanurates. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 134-140	2.3	6
8	Development of Metal Cyanurates: The Example of Barium Cyanurate (BCY). <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2536-2543	2.3	23
7	Synthesis and SHG properties of two new cyanurates: Sr ₃ (O ₃ C ₃ N ₃) ₂ (SCY) and Eu ₃ (O ₃ C ₃ N ₃) ₂ (ECY). <i>Inorganic Chemistry</i> , 2014 , 53, 12540-5	5.1	55

- 6 Synthese, Struktur und Frequenzverdopplungseffekt von Calciumcyanurat. *Angewandte Chemie*, 2014, 126, 14485-14488 3.6 7
- 5 Synthesis, structure, and frequency-doubling effect of calcium cyanurate. *Angewandte Chemie - International Edition*, 2014, 53, 14260-3 16.4 70
- 4 Solid state complex chemistry: formation, structure, and properties of homoleptic tetracyanamidotitanates RbRE[Ge(CN₂)₄] (RE = La, Pr, Nd, Gd). *Inorganic Chemistry*, 2013, 52, 12372-82^{5,1} 16
- 3 From cyanate to cyanurate: cyclotrimerization reactions towards the novel family of metal cyanurates. *Dalton Transactions*, 2013, 42, 12934-9 4.3 41
- 2 Synthesis and Characterization of the First Tetracyanamidotitanate. *European Journal of Inorganic Chemistry*, 2013, 2013, 6091-6096 2.3 6
- 1 Solid state synthesis of homoleptic tetracyanamidoaluminates. *Dalton Transactions*, 2011, 40, 9921-4 4.3 20