

# Christopher Balzer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7069771/publications.pdf>

Version: 2024-02-01

12  
papers

222  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle size studies to reveal crystallization mechanisms of the metal organic framework HKUST-1 during sonochemical synthesis. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 365-370.	8.2	52
2	UiO-66 MOF and Poly(vinyl cinnamate) Nanofiber Composite Membranes Synthesized by a Facile Three-Stage Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12386-12392.	3.7	49
3	Modeling Nanoparticle Dispersion in Electrospun Nanofibers. <i>Langmuir</i> , 2018, 34, 1340-1346.	3.5	25
4	Influence of Particle Size and Loading on Particle Accessibility in Electrospun Poly(ethylene oxide) and ZIF-8 Composite Fibers: Experiments and Theory. <i>Langmuir</i> , 2017, 33, 9066-9072.	3.5	21
5	Electrostatic Correlations and Temperature-Dependent Dielectric Constant Can Model LCST in Polyelectrolyte Complex Coacervation. <i>Macromolecules</i> , 2021, 54, 11326-11337.	4.8	20
6	Cucurbit[8]uril-Derived Graphene Hydrogels. <i>ACS Macro Letters</i> , 2019, 8, 1629-1634.	4.8	15
7	Wiz: A Web-Based Tool for Interactive Visualization of Big Data. <i>Patterns</i> , 2020, 1, 100107.	5.9	8
8	The development of a comprehensive toolbox based on multi-level, high-throughput screening of MOFs for CO <sub>2</sub> separations. <i>Chemical Science</i> , 2021, 12, 12068-12081.	7.4	8
9	Nonelectrostatic Adsorption of Polyelectrolytes and Mediated Interactions between Solid Surfaces. <i>Langmuir</i> , 2021, 37, 5483-5493.	3.5	8
10	Composite MOF mixture as volatile organic compound sensor – A new approach to LMOF sensors. <i>Materials Letters</i> , 2017, 190, 33-36.	2.6	7
11	Preferential Ion Adsorption in Blue Energy Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9230-9239.	6.7	7
12	Thermodynamics of Electrolyte Solutions Near Charged Surfaces: Constant Surface Charge vs. Constant Surface Potential. <i>Journal of Chemical Physics</i> , 2022, 156, 174704.	3.0	2