

# Christian M Lastoskie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5919512/publications.pdf>

Version: 2024-02-01

35  
papers

1,042  
citations

516710

16  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore size heterogeneity and the carbon slit pore: a density functional theory model. <i>Langmuir</i> , 1993, 9, 2693-2702.	3.5	316
2	Pore Size Analysis of Activated Carbons from Argon and Nitrogen Porosimetry Using Density Functional Theory. <i>Langmuir</i> , 2000, 16, 5041-5050.	3.5	112
3	Life cycle assessment of end-of-life treatments for plastic film waste. <i>Journal of Cleaner Production</i> , 2018, 201, 1052-1060.	9.3	90
4	Caging Carbon Dioxide. <i>Science</i> , 2010, 330, 595-596.	12.6	79
5	The Horvath-Kawazoe method revisited. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 187-188, 23-39.	4.7	62
6	Soft-Templated Self-Assembly of Mesoporous Anatase TiO <sub>2</sub> /Carbon Composite Nanospheres for High-Performance Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19968-19978.	8.0	49
7	Comparative life cycle assessment of laminated and vacuum vapor-deposited thin film solid-state batteries. <i>Journal of Cleaner Production</i> , 2015, 91, 158-169.	9.3	44
8	Density Functional Theory Studies on the Relative Reactivity of Chloroethenes on Zerovalent Iron. <i>Environmental Science &amp; Technology</i> , 2009, 43, 5443-5448.	10.0	28
9	Characterization of Porous Materials Using Density Functional Theory and Molecular Simulation. <i>Studies in Surface Science and Catalysis</i> , 2000, 128, 41-50.	1.5	27
10	Density Functional Theory Studies of Chloroethene Adsorption on Zerovalent Iron. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1192-1198.	10.0	26
11	Assessment of sperm chemokinesis with exposure to jelly coats of sea urchin eggs and resact: a microfluidic experiment and numerical study. <i>Journal of Experimental Biology</i> , 2007, 210, 3805-3820.	1.7	24
12	Sacrificial Template Strategy toward a Hollow LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Nanosphere Cathode for Advanced Lithium-Ion Batteries. <i>ACS Omega</i> , 2017, 2, 7593-7599.	3.5	24
13	A Modified Horvath-Kawazoe Method for Micropore Size Analysis. <i>Studies in Surface Science and Catalysis</i> , 2000, 128, 475-484.	1.5	23
14	Ultraparpermeable 2D-channeled graphene-wrapped zeolite molecular sieving membranes for hydrogen separation. <i>Science Advances</i> , 2022, 8, eabl3521.	10.3	21
15	Predicting the Breakthrough Performance of Gating Adsorbents Using Osmotic Framework-Adsorbed Solution Theory. <i>Langmuir</i> , 2017, 33, 11670-11678.	3.5	19
16	In situ imaging of mitochondrial outer-membrane pores using atomic force microscopy. <i>BioTechniques</i> , 2004, 37, 564-573.	1.8	17
17	Life Cycle Assessment of Natural Gas-Powered Personal Mobility Options. <i>Energy &amp; Fuels</i> , 2014, 28, 5988-5997.	5.1	15
18	A Two-Stage Horvath-Kawazoe Adsorption Model for Pore Size Distribution Analysis. <i>Studies in Surface Science and Catalysis</i> , 2002, 144, 99-106.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Characterization of a Mixed Methanotrophic Culture Capable of Chloroethylene Degradation. <i>Environmental Engineering Science</i> , 2005, 22, 177-186.	1.6	10
20	Chemical composition and formation mechanisms in the cathode-electrolyte interface layer of lithium manganese oxide batteries from reactive force field (ReaxFF) based molecular dynamics. <i>Frontiers in Energy</i> , 2017, 11, 365-373.	2.3	8
21	A dynamic multimedia environmental and bioaccumulation model for brominated flame retardants in Lake Huron and Lake Erie, USA. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1018-1025.	4.3	7
22	Fate factors and emission flux estimates for emerging contaminants in surface waters. <i>AIMS Environmental Science</i> , 2016, 3, 21-44.	1.4	7
23	Carbon dioxide capacity retention on elastic layered metal organic frameworks subjected to hydrothermal cycling. <i>Microporous and Mesoporous Materials</i> , 2020, 304, 110377.	4.4	6
24	Divalent Cation Adsorption on the Actin Monomer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15642-15652.	3.1	5
25	Carbon dioxide capacity retention on elastic layered metal organic frameworks subjected to hydrothermal cycling. <i>Microporous and Mesoporous Materials</i> , 2020, 292, 109371.	4.4	4
26	Steered Molecular Dynamics Simulation of Kinesin Detachment from the Microtubule Surface and the Effect of 1,3-Dinitrobenzene. <i>Biophysical Journal</i> , 2013, 104, 332a-333a.	0.5	3
27	Theoretical Interpretation and Classification of Adsorption Isotherms for Simple Fluids. <i>Studies in Surface Science and Catalysis</i> , 1993, 80, 27-34.	1.5	2
28	Configurational bias Monte Carlo simulation of phase segregation in block copolymer networks. <i>Journal of Chemical Physics</i> , 2004, 120, 486-495.	3.0	2
29	Ability of <i>Beijerinckia indica</i> to degrade phenanthrene and reduce hydraulic conductivity. <i>Water Science and Technology</i> , 2010, 62, 2953-2960.	2.5	2
30	AIChE environmental division newsletter. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 167-169.	2.3	0
31	AIChE Environmental Division Newsletter. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 5-7.	2.3	0
32	AIChE environmental division newsletter. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 437-439.	2.3	0
33	Environmental division (09) as primary sponsor. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 871-871.	2.3	0
34	AIChE environmental division newsletter. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 5-6.	2.3	0
35	Lead minerals found in drinking water distribution systems increase chlorine dioxide decay to a single inorganic product. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 417-426.	2.4	0