

# Ocean Cheung

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,728  
citations

304602

22  
h-index

276775

41  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zeolites and related sorbents with narrow pores for CO <sub>2</sub> separation from flue gas. RSC Advances, 2014, 4, 14480-14494.	1.7	210
2	Top-Down Approach Making Anisotropic Cellulose Aerogels as Universal Substrates for Multifunctionalization. ACS Nano, 2020, 14, 7111-7120.	7.3	147
3	Adsorption kinetics for CO <sub>2</sub> on highly selective zeolites NaKA and nano-NaKA. Applied Energy, 2013, 112, 1326-1336.	5.1	110
4	Selective separation of CO <sub>2</sub> and CH <sub>4</sub> for biogas upgrading on zeolite NaKA and SAPO-56. Applied Energy, 2016, 162, 613-621.	5.1	102
5	Mesoporous Cladophora cellulose separators for lithium-ion batteries. Journal of Power Sources, 2016, 321, 185-192.	4.0	98
6	Elucidation of the elusive structure and formula of the active pharmaceutical ingredient bismuth subgallate by continuous rotation electron diffraction. Chemical Communications, 2017, 53, 7018-7021.	2.2	86
7	Interpenetrated metal-organic frameworks and their uptake of CO <sub>2</sub> at relatively low pressures. Journal of Materials Chemistry, 2012, 22, 10345.	6.7	73
8	Silicoaluminophosphates as CO <sub>2</sub> sorbents. Microporous and Mesoporous Materials, 2012, 156, 90-96.	2.2	71
9	Aluminophosphates for CO <sub>2</sub> Separation. ChemSusChem, 2011, 4, 91-97.	3.6	70
10	Synthesis, Transformation, Catalysis, and Gas Sorption Investigations on the Bismuth Metal-Organic Framework CAU-17. European Journal of Inorganic Chemistry, 2018, 2018, 3496-3503.	1.0	57
11	Amorphous Calcium Carbonate Constructed from Nanoparticle Aggregates with Unprecedented Surface Area and Mesoporosity. ACS Applied Materials & Interfaces, 2018, 10, 21556-21564.	4.0	46
12	Synthetic solid oxide sorbents for CO <sub>2</sub> capture: state-of-the art and future perspectives. Journal of Materials Chemistry A, 2022, 10, 1682-1705.	5.2	40
13	Highly Porous Metalloporphyrin Covalent Ionic Frameworks with Well-Defined Cooperative Functional Groups as Excellent Catalysts for CO <sub>2</sub> Cycloaddition. Chemistry - A European Journal, 2019, 25, 9052-9059.	1.7	36
14	Highly Porous Amorphous Calcium Phosphate for Drug Delivery and Bio-Medical Applications. Nanomaterials, 2020, 10, 20.	1.9	36
15	Selective adsorption of CO <sub>2</sub> and SF <sub>6</sub> on mixed-linker ZIF-7s: The effect of linker substitution on uptake capacity and kinetics. Chemical Engineering Journal, 2021, 422, 130117.	6.6	32
16	Breathing Metal-Organic Framework Based on Flexible Inorganic Building Units. Crystal Growth and Design, 2020, 20, 320-329.	1.4	31
17	Nanostructure and pore size control of template-free synthesised mesoporous magnesium carbonate. RSC Advances, 2016, 6, 74241-74249.	1.7	30
18	A unified topology approach to dot-, rod-, and sheet-MOFs. Chem, 2021, 7, 2491-2512.	5.8	30

#	ARTICLE	IF	CITATIONS
19	Hierarchical Porous Carbon Synthesized from Novel Porous Amorphous Calcium or Magnesium Citrate with Enhanced SF <sub>6</sub> Uptake and SF <sub>6</sub> /N <sub>2</sub> Selectivity. ACS Applied Nano Materials, 2019, 2, 778-789.	2.4	28
20	Mesoscale Transformation of Amorphous Calcium Carbonate to Porous Vaterite Microparticles with Morphology Control. Crystal Growth and Design, 2019, 19, 5075-5087.	1.4	27
21	K <sup>+</sup> Exchanged Zeolite ZK-4 as a Highly Selective Sorbent for CO <sub>2</sub> . Langmuir, 2014, 30, 9682-9690.	1.6	26
22	Metal-Organic Frameworks with Hexakis(4-carboxyphenyl)benzene: Extensions to Reticular Chemistry and Introducing Foldable Nets. Journal of the American Chemical Society, 2020, 142, 9471-9481.	6.6	26
23	Hierarchical micro-reactor as electrodes for water splitting by metal rod tipped carbon nanocapsule self-assembly in carbonized wood. Applied Catalysis B: Environmental, 2020, 264, 118536.	10.8	25
24	Highly selective uptake of carbon dioxide on the zeolite  Na <sub>10.2</sub> K <sub>0.8</sub>  -LTA as a possible sorbent for biogas upgrading. Physical Chemistry Chemical Physics, 2016, 18, 16080-16083.	1.3	22
25	An in vitro dissolution "digestion" permeation assay for the study of advanced drug delivery systems. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 149, 21-29.	2.0	21
26	Selective Adsorption of CO <sub>2</sub> on Zeolites NaK-ZK-4 with Si/Al of 1.8-2.8. ACS Omega, 2020, 5, 25371-25380.	1.6	21
27	Aluminophosphate monoliths with high CO <sub>2</sub> -over-N <sub>2</sub> selectivity and CO <sub>2</sub> capture capacity. RSC Advances, 2014, 4, 55877-55883.	1.7	19
28	Gas sorption properties and kinetics of porous bismuth-based metal-organic frameworks and the selective CO <sub>2</sub> and SF <sub>6</sub> sorption on a new bismuth trimesate-based structure UU-200. Microporous and Mesoporous Materials, 2022, 329, 111548.	2.2	19
29	Amorphous Mesoporous Magnesium Carbonate as a Functional Support for UV-Blocking Semiconductor Nanoparticles for Cosmetic Applications. ACS Omega, 2019, 4, 4429-4436.	1.6	18
30	The effect of cerium incorporation on the catalytic performance of cobalt and manganese containing layer double oxides for Acetone oxidation. Journal of Chemical Technology and Biotechnology, 2019, 94, 3753-3762.	1.6	18
31	Chiral Lanthanum Metal-Organic Framework with Gated CO <sub>2</sub> Sorption and Concerted Framework Flexibility. Journal of the American Chemical Society, 2022, 144, 8725-8733.	6.6	18
32	Amine-Modified Mesoporous Magnesium Carbonate as an Effective Adsorbent for Azo Dyes. ACS Omega, 2019, 4, 2973-2979.	1.6	16
33	The effects of additives on the porosity and stability of amorphous calcium carbonate. Microporous and Mesoporous Materials, 2020, 292, 109736.	2.2	15
34	Catalytic cracking of Etek lignin with zirconia supported metal-oxides for alkyl and alkoxy phenols recovery. Bioresource Technology, 2020, 317, 124008.	4.8	15
35	Effects of amine modification of mesoporous magnesium carbonate on controlled drug release. International Journal of Pharmaceutics, 2017, 524, 141-147.	2.6	13
36	Amine-functionalised mesoporous magnesium carbonate: Dielectric spectroscopy studies of interactions with water and stability. Materials Chemistry and Physics, 2018, 216, 332-338.	2.0	11

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37	Inorganic carbonate composites as potential high temperature CO <sub>2</sub> sorbents with enhanced cycle stability. RSC Advances, 2019, 9, 20273-20280.	1.7	11
38	Exploring the Use of Amine Modified Mesoporous Magnesium Carbonate for the Delivery of Salicylic Acid in Topical Formulations: In Vitro Cytotoxicity and Drug Release Studies. Molecules, 2019, 24, 1820.	1.7	9
39	The effect of mesoporous TiO <sub>2</sub> pore size on the performance of solid-state dye sensitized solar cells based on photoelectrochemically polymerized Poly(3,4-ethylenedioxythiophene) hole conductor. Electrochimica Acta, 2016, 210, 23-31.	2.6	8
40	CO <sub>2</sub> selective NaMg-CTS-1 and its structural formation from the titanium silicate based molecule sieve NaMg-ETS-4. Microporous and Mesoporous Materials, 2014, 198, 63-73.	2.2	7
41	In Vitro Performance and Chemical Stability of Lipid-Based Formulations Encapsulated in a Mesoporous Magnesium Carbonate Carrier. Pharmaceutics, 2020, 12, 426.	2.0	7
42	A Modified In Situ Method to Determine Release from a Complex Drug Carrier in Particle-Rich Suspensions. AAPS PharmSciTech, 2018, 19, 2859-2865.	1.5	6
43	Carbon dioxide adsorption on mesoporous magnesium carbonate. Energy Procedia, 2019, 158, 4671-4676.	1.8	4
44	Visualizing Gas Adsorption on Porous Solids: Four Simple, Effective Demonstrations. Journal of Chemical Education, 2014, 91, 1468-1472.	1.1	3
45	Study of mesoporous magnesium carbonate in contact with whole human blood. RSC Advances, 2016, 6, 52810-52816.	1.7	3
46	Crystalline Cu(II) metal-organic frameworks based on a carboxamide pincer ligand and an N <sup>CO</sup> N <sup>CO</sup> N <sup>CO</sup> -Pd(II) pincer complex. CrystEngComm, 2021, 23, 7418-7424.	1.3	3
47	Synthesis, crystal structure, and topology of a polycatenated bismuth coordination polymer. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2022, 77, 231-236.	0.3	2
48	Selective Adsorption of CO on Zeolites NaK-ZK-4 with Si/Al of 1.8-2.8. ACS Omega, 2020, 5, 25371-25380.	1.6	0