K Christian Kemp

List of Publications by Year
in descending order

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30	8,631	304368 22	476904 29
papers	citations	h-index	g-index

31	31	31	15027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanocrystalline Ag-ZK-5 zeolite for selective CH4/N2 separation. Separation and Purification Technology, 2022, 282, 120027.	3.9	10
2	Dealuminated Cs-ZK-5 zeolite for propylene/propane separation. Chemical Engineering Journal, 2021, 413, 127422.	6.6	9
3	Silver-exchanged CHA zeolite as a CO2-resistant adsorbent for N2/O2 separation. Microporous and Mesoporous Materials, 2021, 323, 111239.	2.2	11
4	Propylene/propane separation on a ferroaluminosilicate levyne zeolite. Microporous and Mesoporous Materials, 2020, 294, 109833.	2.2	12
5	Small Gas Adsorption and Separation in Small-Pore Zeolites. Structure and Bonding, 2020, , 1-30.	1.0	10
6	Silver ZK-5 zeolites for selective ethylene/ethane separation. Separation and Purification Technology, 2020, 250, 117146.	3.9	22
7	Direct Synthesis of Ge-free IWR-type Zeolites. Chemistry Letters, 2019, 48, 1445-1447.	0.7	2
8	CO₂ Adsorption in the RHO Family of Embedded Isoreticular Zeolites. Journal of Physical Chemistry C, 2018, 122, 28815-28824.	1.5	37
9	Zeolites ZSM-25 and PST-20: Selective Carbon Dioxide Adsorbents at High Pressures. Journal of Physical Chemistry C, 2017, 121, 3404-3409.	1.5	46
10	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications. Chemical Reviews, 2016, 116, 5464-5519.	23.0	1,942
11	Antimony(III) Sulfide Thin Films as a Photoanode Material in Photocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2016, 8, 8445-8451.	4.0	73
12	Engineered Carbon-Nanomaterial-Based Electrochemical Sensors for Biomolecules. ACS Nano, 2016, 10, 46-80.	7.3	433
13	Activated carbon derived from waste coffee grounds for stable methane storage. Nanotechnology, 2015, 26, 385602.	1.3	49
14	Highly selective CO2 capture by S-doped microporous carbon materials. Carbon, 2014, 66, 320-326.	5.4	230
15	Iron-Oxide-Supported Nanocarbon in Lithium-Ion Batteries, Medical, Catalytic, and Environmental Applications. ACS Nano, 2014, 8, 7571-7612.	7.3	157
16	Highly Stable CO₂/N₂ and CO₂/CH₄ Selectivity in Hyper-Cross-Linked Heterocyclic Porous Polymers. ACS Applied Materials & Interfaces, 2014, 6, 7325-7333.	4.0	151
17	Interconnected Pt-Nanodendrite/DNA/Reduced-Graphene-Oxide Hybrid Showing Remarkable Oxygen Reduction Activity and Stability. ACS Nano, 2013, 7, 9223-9231.	7.3	79
18	Solution-processable conductive micro-hydrogels of nanoparticle/graphene platelets produced by reversible self-assembly and aqueous exfoliation. Journal of Materials Chemistry A, 2013, 1, 12900.	5.2	18

#	Article	IF	Citations
19	Reduced graphene oxide-based hydrogels for the efficient capture of dye pollutants from aqueous solutions. Carbon, 2013, 56, 173-182.	5.4	409
20	Synthesis of nano zerovalent iron nanoparticles â€“ Graphene composite for the treatment of lead contaminated water. Journal of Environmental Management, 2013, 130, 429-435.	3.8	129
21	Synthesis of N-doped microporous carbon via chemical activation of polyindole-modified graphene oxide sheets for selective carbon dioxide adsorption. Nanotechnology, 2013, 24, 255702.	1.3	62
22	Environmental applications using graphene composites: water remediation and gas adsorption. Nanoscale, 2013, 5, 3149.	2.8	472
23	Highly Selective and Stable Carbon Dioxide Uptake in Polyindole-Derived Microporous Carbon Materials. Environmental Science & Technology, 2013, 47, 5467-5473.	4.6	80
24	Reversible CO₂adsorption by an activated nitrogen doped graphene/polyaniline material. Nanotechnology, 2013, 24, 235703.	1.3	75
25	Stable platinum nanoclusters on genomic DNAâ€“graphene oxide with a high oxygen reduction reaction activity. Nature Communications, 2013, 4, 2221.	5.8	169
26	NextGenVOICES. Science, 2013, 340, 28-30.	6.0	1
27	Functionalization of Graphene: Covalent and Non-Covalent Approaches, Derivatives and Applications. Chemical Reviews, 2012, 112, 6156-6214.	23.0	3,531
28	Grapheneâ€“SnO₂composites for highly efficient photocatalytic degradation of methylene blue under sunlight. Nanotechnology, 2012, 23, 355705.	1.3	233
29	Homogeneous anchoring of TiO2 nanoparticles on graphene sheets for waste water treatment. Materials Letters, 2012, 81, 127-130.	1.3	116
30	Ruthenocene-Containing Î²-Diketones: Synthesis, pK_aâ€² Values, Ketoâ€“Enol Isomerization Kinetics, and Electrochemical Aspects. Organometallics, 2008, 27, 353-362.	1.1	59