

Junya

List of Publications by Year in descending order

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26
papers

1,983
citations

393982

19
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

2782
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in solid sorbents for CO ₂ capture and new development trends. Energy and Environmental Science, 2014, 7, 3478-3518.	15.6	953
2	Synthesis of layered double hydroxides/graphene oxide nanocomposite as a novel high-temperature CO ₂ adsorbent. Journal of Energy Chemistry, 2015, 24, 127-137.	7.1	121
3	Alkali Nitrates Molten Salt Modified Commercial MgO for Intermediate-Temperature CO ₂ Capture: Optimization of the Li/Na/K Ratio. Industrial & Engineering Chemistry Research, 2017, 56, 1509-1517.	1.8	102
4	Arsenic removal from water/wastewater using layered double hydroxide derived adsorbents, a critical review. RSC Advances, 2018, 8, 22694-22709.	1.7	79
5	Layered Double Hydroxide Nanotransporter for Molecule Delivery to Intact Plant Cells. Scientific Reports, 2016, 6, 26738.	1.6	77
6	Highly sensitive p-nitrophenol chemical sensor based on crystalline γ -MnO ₂ nanotubes. New Journal of Chemistry, 2014, 38, 4420-4426.	1.4	70
7	Synthesis of LiAl ₂ -layered double hydroxides for CO ₂ capture over a wide temperature range. Journal of Materials Chemistry A, 2014, 2, 18454-18462.	5.2	69
8	Impact of organic interlayer anions on the CO ₂ adsorption performance of Mg-Al layered double hydroxides derived mixed oxides. Journal of Energy Chemistry, 2017, 26, 346-353.	7.1	58
9	Layered double hydroxides/oxidized carbon nanotube nanocomposites for CO ₂ capture. Journal of Industrial and Engineering Chemistry, 2016, 36, 255-262.	2.9	50
10	Solid Waste-Derived Carbon Dioxide-Capturing Materials. ChemSusChem, 2019, 12, 2055-2082.	3.6	43
11	Polypropylene/Mg ₃ Al-tartrazine LDH nanocomposites with enhanced thermal stability, UV absorption, and rheological properties. RSC Advances, 2013, 3, 26017.	1.7	39
12	K ₂ CO ₃ promoted novel Li ₄ SiO ₄ -based sorbents from sepiolite with high CO ₂ capture capacity under different CO ₂ partial pressures. Chemical Engineering Journal, 2020, 380, 122515.	6.6	38
13	A Review of the Application of Steel Slag in CO ₂ Fixation. ChemBioEng Reviews, 2021, 8, 189-199.	2.6	34
14	Synthesis of Pt doped Mg-Al layered double oxide/graphene oxide hybrid as novel NO _x storage-reduction catalyst. RSC Advances, 2015, 5, 78061-78070.	1.7	29
15	Delaminated Layered Double Hydroxide Nanosheets as an Efficient Vector for DNA Delivery. Journal of Biomedical Nanotechnology, 2016, 12, 922-933.	0.5	28
16	MgO-based adsorbent achieved from magnesite for CO ₂ capture in simulate wet flue gas. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 73-80.	2.7	28
17	A simple and reliable method for determining the delamination degree of nitrate and glycine intercalated LDHs in formamide. Chemical Communications, 2014, 50, 10130.	2.2	27
18	Unexpected highly reversible topotactic CO ₂ sorption/desorption capacity for potassium dititanate. Journal of Materials Chemistry A, 2016, 4, 12889-12896.	5.2	27

#	ARTICLE	IF	CITATIONS
19	Synthesis of Pt/K ₂ CO ₃ /MgAlOx reduced graphene oxide hybrids as promising NO _x storage reduction catalysts with superior catalytic performance. Scientific Reports, 2017, 7, 42862.	1.6	20
20	Unexpected Highly Reversible Lithium-Silicate-Based CO ₂ Sorbents Derived from Sediment of Dianchi Lake. Energy & Fuels, 2019, 33, 1734-1744.	2.5	18
21	The Influence of the Charge Compensating Anions of Layered Double Hydroxides (LDHs) in LDH-NS/Graphene Oxide Nanohybrid for CO ₂ Capture. Journal of Nanoscience and Nanotechnology, 2018, 18, 2956-2964.	0.9	17
22	The Influence of Synthesis Method on the CO ₂ Adsorption Capacity of Mg ₃ Al-CO ₃ Hydrotalcite-Derived Adsorbents. Science of Advanced Materials, 2014, 6, 1154-1159.	0.1	17
23	Sustainable lignin-based electrospun nanofibers for enhanced triboelectric nanogenerators. Sustainable Energy and Fuels, 2022, 6, 1974-1982.	2.5	15
24	LDH/MgCO ₃ hybrid multilayer on an aluminium substrate as a novel high-temperature CO ₂ adsorbent. RSC Advances, 2015, 5, 82777-82780.	1.7	10
25	Ethylene-Vinyl acetate/LDH nanocomposites with enhanced thermal stability, flame retardancy, and rheological property. Polymer Composites, 2016, 37, 3449-3459.	2.3	10
26	CO ₂ Adsorption Performance and Kinetics of Ionic Liquid-Modified Calcined Magnesite. Nanomaterials, 2021, 11, 2614.	1.9	4