

Andreas A Sapalidis

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,745
citations

331259

21
h-index

276539

41
g-index

48
all docs

48
docs citations

48
times ranked

2738
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical modeling of mercury in coastal groundwater. <i>Chemosphere</i> , 2022, 286, 131609.	4.2	12
2	Graphene nanoplatelets based polyimide/Pebax dual-layer mixed matrix hollow fiber membranes for CO ₂ /CH ₄ and He/N ₂ separations. <i>International Journal of Greenhouse Gas Control</i> , 2022, 114, 103588.	2.3	16
3	CO ₂ /CH ₄ and He/N ₂ Separation Properties and Water Permeability Valuation of Mixed Matrix MWCNTs-Based Cellulose Acetate Flat Sheet Membranes: A Study of the Optimization of the Filler Material Dispersion Method. <i>Nanomaterials</i> , 2021, 11, 280.	1.9	8
4	Mesoporous silica based copper catalytic materials for potential deNO _x application: Synthesis and characterization. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0
5	Hydrogen adsorption simulations in isomorphous borohydride and imidazolate frameworks: Evaluations using interpolation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19778-19787.	3.8	4
6	On the Consistency of the Exfoliation Free Energy of Graphenes by Molecular Simulations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8291.	1.8	4
7	Enhanced Densification of CO ₂ Confined in the Pores of a Carbon Material: an in Situ Total Neutron Scattering Study. <i>Journal of Surface Investigation</i> , 2020, 14, S221-S224.	0.1	1
8	Total neutron scattering study of supercooled CO ₂ confined in an ordered mesoporous carbon. <i>Carbon</i> , 2020, 167, 296-306.	5.4	3
9	Cellulose-based carbon hollow fiber membranes for high-pressure mixed gas separations of CO ₂ /CH ₄ and CO ₂ /N ₂ . <i>Separation and Purification Technology</i> , 2020, 253, 117473.	3.9	32
10	New Porous Heterostructures Based on Organo-Modified Graphene Oxide for CO ₂ Capture. <i>Frontiers in Chemistry</i> , 2020, 8, 564838.	1.8	9
11	One-step preparation of bilayered films from kraft lignin and cellulose acetate to mimic tree bark. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 831-834.	1.3	1
12	Porous Polyvinyl Alcohol Membranes: Preparation Methods and Applications. <i>Symmetry</i> , 2020, 12, 960.	1.1	66
13	Pulling Simulations and Hydrogen Sorption Modelling on Carbon Nanotube Bundles. <i>Journal of Carbon Research</i> , 2020, 6, 11.	1.4	7
14	A Study of the Reinforcement Effect of MWCNTs onto Polyimide Flat Sheet Membranes. <i>Polymers</i> , 2020, 12, 1381.	2.0	7
15	Enhancement of Flux Performance in PTFE Membranes for Direct Contact Membrane Distillation. <i>Polymers</i> , 2020, 12, 345.	2.0	25
16	Metabolomics reveals differential mechanisms of toxicity of hyperbranched poly(ethyleneimine)-derived nanoparticles to the soil-borne fungus <i>Verticillium dahliae</i> Kleb. <i>Pesticide Biochemistry and Physiology</i> , 2020, 165, 104535.	1.6	11
17	Hybrid Sponge-Like Scaffolds Based on Ulvan and Gelatin: Design, Characterization and Evaluation of Their Potential Use in Bone Tissue Engineering. <i>Materials</i> , 2020, 13, 1763.	1.3	31
18	Functionalization of Carbon-Based Additives. , 2020, , 67-90.		0

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19	Introduction to Membrane Desalination. , 2020, , 1-15.		0
20	Enhancement of vapor flux and salt rejection efficiency induced by low cost-high purity MWCNTs in upscaled PVDF and PVDF-HFP hollow fiber modules for membrane distillation. Separation and Purification Technology, 2019, 224, 163-179.	3.9	23
21	Molecular Dynamics of Water Embedded Carbon Nanocones: Surface Waves Observation. Computation, 2019, 7, 50.	1.0	5
22	Mixed Matrix PVDF/Graphene and Composite Skin PVDF/Graphene Oxide Membranes Applied in Membrane Distillation. Polymer Engineering and Science, 2019, 59, E262.	1.5	41
23	Fabrication of Antibacterial Poly(Vinyl Alcohol) Nanocomposite Films Containing Dendritic Polymer Functionalized Multi-Walled Carbon Nanotubes. Frontiers in Materials, 2018, 5, .	1.2	25
24	Computing the temperature dependence of adsorption selectivity in porous solids. Surface and Coatings Technology, 2018, 350, 95-100.	2.2	7
25	Reinforcement effects of multiwall carbon nanotubes and graphene oxide on PDMS marine coatings. Journal of Coatings Technology Research, 2018, 15, 105-120.	1.2	54
26	A review of the latest development of polyimide based membranes for CO ₂ separations. Reactive and Functional Polymers, 2017, 120, 104-130.	2.0	116
27	Nanoporous ceramic supported ionic liquid membranes for CO ₂ and SO ₂ removal from flue gas. Chemical Engineering Journal, 2017, 313, 777-790.	6.6	47
28	Graphene by one-step chemical vapor deposition from ferrocene vapors: Properties and electrochemical evaluation. Journal of Applied Physics, 2016, 119, .	1.1	13
29	Hydroxyapatite/chitosan-based porous three-dimensional scaffolds with complex geometries. Materials Today Communications, 2016, 7, 59-66.	0.9	35
30	Novel Inverse Supported Ionic Liquid Absorbents for Acidic Gas Removal from Flue Gas. Industrial & Engineering Chemistry Research, 2016, 55, 5748-5762.	1.8	15
31	Physically bound and chemically grafted activated carbon supported 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and 1-ethyl-3-methylimidazolium acetate ionic liquid absorbents for SO ₂ /CO ₂ gas separation. Chemical Engineering Journal, 2016, 306, 146-154.	6.6	27
32	Anomalous Depletion of Pore-Confined Carbon Dioxide upon Cooling below the Bulk Triple Point: An In Situ Neutron Diffraction Study. Physical Review Letters, 2016, 116, 025502.	2.9	8
33	Clinoptilolite, a natural zeolite material: Structural characterization and performance evaluation on its dehydration properties of hydrocarbon-based fuels. Microporous and Mesoporous Materials, 2016, 225, 385-391.	2.2	80
34	A study on natural clinoptilolite for CO ₂ /N ₂ gas separation. Separation Science and Technology, 2016, 51, 83-95.	1.3	18
35	Experimental investigation of the transport mechanism of several gases during the CVD post-treatment of nanoporous membranes. Chemical Engineering Journal, 2014, 255, 377-393.	6.6	19
36	CO ₂ Capture by Novel Supported Ionic Liquid Phase Systems Consisting of Silica Nanoparticles Encapsulating Amine-Functionalized Ionic Liquids. Journal of Physical Chemistry C, 2014, 118, 24437-24451.	1.5	62

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37	Calibration of tapping AFM cantilevers and uncertainty estimation: Comparison between different methods. Measurement: Journal of the International Measurement Confederation, 2013, 46, 4274-4281.	2.5	8
38	Neutron diffraction on polymer nanocomposites - A tool for structural and orientation studies. Journal of Physics: Conference Series, 2012, 340, 012090.	0.3	4
39	Properties of poly(vinyl alcohol)â€”Bentonite clay nanocomposite films in relation to polymerâ€”clay interactions. Journal of Applied Polymer Science, 2012, 123, 1812-1821.	1.3	73
40	Application of 1H NMR to hydration and porosity studies of limeâ€”pozzolan mixtures. Microporous and Mesoporous Materials, 2011, 139, 16-24.	2.2	23
41	Facile synthesis of carbon supported copper nanoparticles from alginate precursor with controlled metal content and catalytic NO reduction properties. Journal of Hazardous Materials, 2011, 189, 384-390.	6.5	19
42	Metalâ€”carboxylate interactions in metalâ€”alginate complexes studied with FTIR spectroscopy. Carbohydrate Research, 2010, 345, 469-473.	1.1	626
43	Grafting of alginates on UF/NF ceramic membranes for wastewater treatment. Journal of Hazardous Materials, 2010, 182, 611-623.	6.5	14
44	Ceramic-Supported Alginate Adsorbent for the Removal of Heavy Metal Ions. Adsorption Science and Technology, 2010, 28, 253-266.	1.5	7
45	Characterization of carbonate rocks by combination of scattering, porosimetry and permeability techniques. Microporous and Mesoporous Materials, 2009, 120, 109-114.	2.2	25
46	Development of hybrid alginate/ceramic membranes for Cd ²⁺ removal. Microporous and Mesoporous Materials, 2009, 120, 154-164.	2.2	24
47	Evaluation of consolidation treatments of marly limestones used in archaeological monuments. Construction and Building Materials, 2009, 23, 2803-2812.	3.2	55
48	Preparation and characterization of novel poly-(vinyl alcohol)â€”Zostera flakes composites for packaging applications. Composites Part B: Engineering, 2007, 38, 398-404.	5.9	35