

Fotios Katsaros

List of Publications by Year in descending order

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papers

2,714
citations

279701

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docs citations

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times ranked

3899
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous CuO/TiO ₂ catalysts prepared by the ammonia driven deposition precipitation method for CO preferential oxidation: Effect of metal loading. <i>Fuel</i> , 2022, 311, 122491.	3.4	12
2	Engineering Commercial TiO ₂ Powder into Tailored Beads for Efficient Water Purification. <i>Materials</i> , 2022, 15, 326.	1.3	5
3	Towards Highly Loaded and Finely Dispersed CuO Catalysts via ADP: Effect of the Alumina Support. <i>Catalysts</i> , 2022, 12, 628.	1.6	1
4	Multi-Walled Carbon Nanotubes Decorated with Guanidinylated Dendritic Molecular Transporters: An Efficient Platform for the Selective Anticancer Activity of Doxorubicin. <i>Pharmaceutics</i> , 2021, 13, 858.	2.0	8
5	Structuring efficient photocatalysts into bespoke fiber shaped systems for applied water treatment. <i>Chemosphere</i> , 2021, 277, 130253.	4.2	3
6	A hyperbranched polymer synthetic strategy for the efficient fixation of metal species within nanoporous structures: Application in automotive catalysis. <i>Chemical Engineering Journal</i> , 2021, 421, 129496.	6.6	9
7	Magnetically separable TiO ₂ /CoFe ₂ O ₄ /Ag nanocomposites for the photocatalytic reduction of hexavalent chromium pollutant under UV and artificial solar light. <i>Chemical Engineering Journal</i> , 2020, 381, 122730.	6.6	88
8	Cytotoxicity Effects of Water-Soluble Multi-Walled Carbon Nanotubes Decorated with Quaternized Hyperbranched Poly(ethyleneimine) Derivatives on Autotrophic and Heterotrophic Gram-Negative Bacteria. <i>Pharmaceutics</i> , 2020, 13, 293.	1.7	4
9	Total neutron scattering study of supercooled CO ₂ confined in an ordered mesoporous carbon. <i>Carbon</i> , 2020, 167, 296-306.	5.4	3
10	Viscose Fabric Functionalized with Copper and Copper Alginate Treatment Toward Antibacterial and UV Blocking Properties. <i>Fibers and Polymers</i> , 2020, 21, 1238-1250.	1.1	12
11	Photocatalysis as an advanced reduction process (ARP): The reduction of 4-nitrophenol using titania nanotubes-ferrite nanocomposites. <i>Journal of Hazardous Materials</i> , 2019, 372, 37-44.	6.5	66
12	A silanol-functionalized polyoxometalate with excellent electron transfer mediating behavior to ZnO and TiO ₂ cathode interlayers for highly efficient and extremely stable polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1459-1469.	2.7	25
13	Synthesis, characterization and assessment of hydrophilic oxidized carbon nanodiscs in bio-related applications. <i>RSC Advances</i> , 2018, 8, 122-131.	1.7	5
14	High-quality graphene sheets decorated with ZIF-8 nanocrystals. <i>Microporous and Mesoporous Materials</i> , 2018, 262, 68-76.	2.2	12
15	Dye Sensitization of Titania Compact Layer for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 6161-6171.	2.5	41
16	Fabrication of Antibacterial Poly(Vinyl Alcohol) Nanocomposite Films Containing Dendritic Polymer Functionalized Multi-Walled Carbon Nanotubes. <i>Frontiers in Materials</i> , 2018, 5, .	1.2	25
17	A review of the latest development of polyimide based membranes for CO ₂ separations. <i>Reactive and Functional Polymers</i> , 2017, 120, 104-130.	2.0	116
18	A Green Route to Copper Loaded Silica Nanoparticles Using Hyperbranched Poly(Ethylene Imine) as a Biomimetic Template: Application in Heterogeneous Catalysis. <i>Catalysts</i> , 2017, 7, 390.	1.6	8

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19	Hyperbranched polyethyleneimine towards the development of homogeneous and highly porous CuO-CeO ₂ -SiO ₂ catalytic materials. <i>Chemical Engineering Journal</i> , 2016, 300, 343-357.	6.6	14
20	Gas permeance properties of asymmetric carbon hollow fiber membranes at high feed pressures. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 842-851.	2.1	17
21	Metal loaded nanoporous silicas with tailor-made properties through hyperbranched polymer assisted templating approaches. <i>Microporous and Mesoporous Materials</i> , 2016, 235, 107-119.	2.2	11
22	Modified in situ antimicrobial susceptibility testing method based on cyanobacteria chlorophyll a fluorescence. <i>Journal of Microbiological Methods</i> , 2016, 121, 1-4.	0.7	8
23	An in situ antimicrobial susceptibility testing method based on in vivo measurements of chlorophyll a fluorescence. <i>Journal of Microbiological Methods</i> , 2015, 112, 49-54.	0.7	9
24	Visible light active TiO ₂ photocatalytic filtration membranes with improved permeability and low energy consumption. <i>Catalysis Today</i> , 2014, 224, 56-69.	2.2	74
25	Intercalation Study of Low Molecular Weight Hyperbranched Polyethyleneimine into Graphite Oxide. <i>Chemistry - A European Journal</i> , 2014, 20, 8129-8137.	1.7	29
26	Pore structure, interface properties and photocatalytic efficiency of hydration/dehydration derived TiO ₂ /CNT composites. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 65-81.	10.8	80
27	CO ₂ Capture by Novel Supported Ionic Liquid Phase Systems Consisting of Silica Nanoparticles Encapsulating Amine-Functionalized Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24437-24451.	1.5	62
28	Effect of copper and copper alginate treatment on wool fabric. Study of textile and antibacterial properties. <i>Surface and Coatings Technology</i> , 2013, 235, 24-31.	2.2	54
29	Alginate fibers as photocatalyst immobilizing agents applied in hybrid photocatalytic/ultrafiltration water treatment processes. <i>Water Research</i> , 2012, 46, 1858-1872.	5.3	119
30	Very efficient composite titania membranes in hybrid ultrafiltration/photocatalysis water treatment processes. <i>Journal of Membrane Science</i> , 2012, 392-393, 192-203.	4.1	105
31	Double-side active TiO ₂ -modified nanofiltration membranes in continuous flow photocatalytic reactors for effective water purification. <i>Journal of Hazardous Materials</i> , 2012, 211-212, 304-316.	6.5	100
32	A methodology for the morphological and physicochemical characterisation of asymmetric carbon hollow fiber membranes. <i>Journal of Membrane Science</i> , 2011, 375, 113-123.	4.1	33
33	Facile synthesis of carbon supported copper nanoparticles from alginate precursor with controlled metal content and catalytic NO reduction properties. <i>Journal of Hazardous Materials</i> , 2011, 189, 384-390.	6.5	19
34	Metal-carboxylate interactions in metal-alginate complexes studied with FTIR spectroscopy. <i>Carbohydrate Research</i> , 2010, 345, 469-473.	1.1	626
35	Prediction of binary adsorption isotherms of Cu ²⁺ , Cd ²⁺ and Pb ²⁺ on calcium alginate beads from single adsorption data. <i>Journal of Hazardous Materials</i> , 2009, 162, 1347-1354.	6.5	165
36	Development of hybrid alginate/ceramic membranes for Cd ²⁺ removal. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 154-164.	2.2	24

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37	Comparative study of the rate and locality of silica deposition during the CVD treatment of porous membranes with TEOS and TMOS. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 177-185.	2.2	28
38	Calcium alginate beads from <i>Laminaria digitata</i> for the removal of Cu ⁺² and Cd ⁺² from dilute aqueous metal solutions. <i>Desalination</i> , 2008, 224, 293-306.	4.0	125
39	Effect Of Activation Process On Resin Based Activated Carbons. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 599-606.	1.5	0
40	Preparation and characterisation of gas selective microporous carbon membranes. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 181-189.	2.2	34
41	Experimental investigation of asphaltene deposition mechanism during oil flow in core samples. <i>Journal of Petroleum Science and Engineering</i> , 2007, 57, 281-293.	2.1	88
42	Preparation and characterization of novel poly-(vinyl alcohol)â€Zostera flakes composites for packaging applications. <i>Composites Part B: Engineering</i> , 2007, 38, 398-404.	5.9	35
43	Heavy metal sorption by calcium alginate beads from <i>Laminaria digitata</i> . <i>Journal of Hazardous Materials</i> , 2006, 137, 1765-1772.	6.5	310
44	Neutron diffraction study of adsorbed CO ₂ on a carbon membrane. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 901-902.	1.3	17
45	The combination of equilibrium and dynamic methods for the detailed structural characterisation of ceramic membranes. <i>Journal of the European Ceramic Society</i> , 1998, 18, 1545-1558.	2.8	8
46	High pressure gas permeability of microporous carbon membranes. <i>Microporous Materials</i> , 1997, 8, 171-176.	1.6	77