

Constantinos E Salmas

List of Publications by Year in descending order

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1273
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot-Plant Investigation of the Leaching Process for the Recovery of Scandium from Red Mud. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 5794-5801.	3.7	134
2	Preparation, characterization, mechanical, barrier and antimicrobial properties of chitosan/PVOH/clay nanocomposites. <i>Carbohydrate Polymers</i> , 2016, 140, 408-415.	10.2	95
3	A Novel Pore Structure Tortuosity Concept Based on Nitrogen Sorption Hysteresis Data. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 721-730.	3.7	79
4	EVOLUTION LIGNITE MESOPORE STRUCTURE DURING DRYING. EFFECT OF TEMPERATURE AND HEATING TIME. <i>Drying Technology</i> , 2001, 19, 35-64.	3.1	75
5	Geographical Origin Authentication of Agri-Food Products: A Review. <i>Foods</i> , 2020, 9, 489.	4.3	74
6	Relationships among Pore Size, Connectivity, Dimensionality of Capillary Condensation, and Pore Structure Tortuosity of Functionalized Mesoporous Silica. <i>Langmuir</i> , 2003, 19, 3128-3136.	3.5	69
7	Mercury Porosimetry: Contact Angle Hysteresis of Materials with Controlled Pore Structure. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 178-189.	9.4	65
8	A New Model for Capillary Condensation~Evaporation Hysteresis Based on a Random Corrugated Pore Structure Concept:~ Prediction of Intrinsic Pore Size Distributions. 1. Model Formulation. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3747-3763.	3.7	60
9	Advanced Cr(VI) sorption properties of activated carbon produced via pyrolysis of the ~Posidonia oceanica~seagrass. <i>Journal of Hazardous Materials</i> , 2021, 405, 124274.	12.4	54
10	INDIRECT THERMAL DRYING OF LIGNITE: DESIGN ASPECTS OF A ROTARY DRYER. <i>Drying Technology</i> , 2000, 18, 2009-2049.	3.1	41
11	A New Model for Capillary Condensation~Evaporation Hysteresis Based on a Random Corrugated Pore Structure Concept:~ Prediction of Intrinsic Pore Size Distribution. 2. Model Application. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 3764-3777.	3.7	41
12	Hydrogen catalytic oxidation reaction on Pd-doped porous silicon. <i>IEEE Sensors Journal</i> , 2002, 2, 89-95.	4.7	35
13	The effect of different preparation methods on the development of chitosan/thyme oil/montmorillonite nanocomposite active packaging films. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14327.	2.0	35
14	Novel LDPE/Chitosan Rosemary and Melissa Extract Nanostructured Active Packaging Films. <i>Nanomaterials</i> , 2019, 9, 1105.	4.1	27
15	TOMOGRAPHY OF MACRO-MESO-PORE STRUCTURE BASED ON MERCURY POROSIMETRY HYSTERESIS. <i>Chemical Engineering Communications</i> , 2000, 181, 137-177.	2.6	26
16	An investigation of the physical structure of MCM-41 novel mesoporous materials using a corrugated pore structure model. <i>Applied Catalysis A: General</i> , 2001, 216, 23-39.	4.3	26
17	Pore Structure~Chemical Composition Interactions of New High Surface Area Manganese Based Mesoporous Materials. <i>Materials Preparation, Characterization, and Catalytic Activity. Langmuir</i> , 2002, 18, 423-432.	3.5	23
18	Rigid Sphere Molecular Model Enables an Assessment of the Pore Curvature Effect upon Realistic Evaluations of Surface Areas of Mesoporous and Microporous Materials. <i>Langmuir</i> , 2005, 21, 11146-11160.	3.5	22

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19	Enhancing wood resistance to humidity with nanostructured ZnO coatings. <i>Nano Structures Nano Objects</i> , 2017, 10, 57-68.	3.5	22
20	Effect of Copper and Titanium-Exchanged Montmorillonite Nanostructures on the Packaging Performance of Chitosan/Poly-Vinyl-Alcohol-Based Active Packaging Nanocomposite Films. <i>Foods</i> , 2021, 10, 3038.	4.3	22
21	Nanocomposite Film Development Based on Chitosan/Polyvinyl Alcohol Using ZnO@Montmorillonite and ZnO@Halloysite Hybrid Nanostructures for Active Food Packaging Applications. <i>Nanomaterials</i> , 2022, 12, 1843.	4.1	21
22	Development of ZnO/Na-Montmorillonite Hybrid Nanostructures Used for PVOH/ZnO/Na-Montmorillonite Active Packaging Films Preparation via a Melt-Extrusion Process. <i>Nanomaterials</i> , 2020, 10, 1079.	4.1	18
23	Modeling beach realignment using a neuro-fuzzy network optimized by a novel backtracking search algorithm. <i>Neural Computing and Applications</i> , 2019, 31, 1747-1763.	5.6	17
24	A SIMPLIFIED MODEL FOR MERCURY POROSIMETRY HYSTERESIS. <i>Chemical Engineering Communications</i> , 1999, 176, 1-42.	2.6	16
25	Development of Poly(L-Lactic Acid)/Chitosan/Basil Oil Active Packaging Films via a Melt-Extrusion Process Using Novel Chitosan/Basil Oil Blends. <i>Processes</i> , 2021, 9, 88.	2.8	16
26	Utilization of Tires Waste-Derived Magnetic-Activated Carbon for the Removal of Hexavalent Chromium from Wastewater. <i>Materials</i> , 2021, 14, 34.	2.9	16
27	Nanoporous Activated Carbon Derived via Pyrolysis Process of Spent Coffee: Structural Characterization. Investigation of Its Use for Hexavalent Chromium Removal. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8812.	2.5	15
28	Synthesis of a Novel Chitosan/Basil Oil Blend and Development of Novel Low Density Poly Ethylene/Chitosan/Basil Oil Active Packaging Films Following a Melt-Extrusion Process for Enhancing Chicken Breast Fillets Shelf-Life. <i>Molecules</i> , 2021, 26, 1585.	3.8	15
29	Evaluation of Microporosity, Pore Tortuosity, and Connectivity of Montmorillonite Solids Pillared with LaNiOx Binary Oxide. A Combined Application of the CPSM Model, the I±s-Plot Method and a Pore Percolation Connectivity Model. <i>Langmuir</i> , 2003, 19, 8777-8786.	3.5	14
30	Effect of Na- and Organo-Modified Montmorillonite/Essential Oil Nanohybrids on the Kinetics of the In Situ Radical Polymerization of Styrene. <i>Nanomaterials</i> , 2021, 11, 474.	4.1	14
31	TOMOGRAPHY OF MACRO-MESO-PORE STRUCTURE BASED ON MERCURY POROSIMETRY HYSTERESIS LOOP SCANNING Part II: MP Hysteresis Loop Scanning Along the Overall Retraction Line. <i>Chemical Engineering Communications</i> , 2000, 181, 179-202.	2.6	11
32	Nanoclay and Polystyrene Type Efficiency on the Development of Polystyrene/Montmorillonite/Oregano Oil Antioxidant Active Packaging Nanocomposite Films. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9364.	2.5	10
33	Pore structure analysis of an SCR catalyst using a new method for interpreting nitrogen sorption hysteresis. <i>Applied Catalysis A: General</i> , 2001, 210, 329-338.	4.3	9
34	Performance of Thyme Oil@Na-Montmorillonite and Thyme Oil@Organo-Modified Montmorillonite Nanostructures on the Development of Melt-Extruded Poly-L-lactic Acid Antioxidant Active Packaging Films. <i>Molecules</i> , 2022, 27, 1231.	3.8	8
35	Evaluation of hydrogen permselective separation from synthesis gas components based on single gas permeability measurements on anodic alumina membranes. <i>Fuel Processing Technology</i> , 2011, 92, 2375-2388.	7.2	5
36	A New Method for Microporosity Detection Based on the Use of the Corrugated Pore Structure Model (CPSM).. <i>Studies in Surface Science and Catalysis</i> , 2002, , 27-34.	1.5	3

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37	Nanoporous Carbon Magnetic Hybrid Derived from Waterlock Polymers and Its Application for Hexavalent Chromium Removal from Aqueous Solution. <i>Journal of Carbon Research</i> , 2021, 7, 69.	2.7	3
38	PREPARATION AND CHARACTERIZATION OF ANODIC ALUMINUM OXIDE FILMS EXHIBITING MICROPOROSITY. <i>Chemical Engineering Communications</i> , 2008, 196, 407-442.	2.6	2
39	Multifunctional Carbon-Based Hybrid Foams for Shape-Stabilization of Phase Change Materials, Thermal Energy Storage, and Electromagnetic Interference Shielding Functions. <i>Micro</i> , 2022, 2, 390-409.	2.0	2
40	The Effect of Surface Functionalization of Mesoporous Silicas with Propylimidazol on Porosity, Pore Connectivity and Tortuosity. <i>Studies in Surface Science and Catalysis</i> , 2002, 144, 299-306.	1.5	1
41	Microwave Synthesis, Characterization and Perspectives of Wood Pencil-Derived Carbon. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 410.	2.5	1
42	Biomass Waste Carbonization in Piranha Solution: A Route to Hypergolic Carbons?. <i>Micro</i> , 2022, 2, 137-153.	2.0	1
43	Use of a Hybrid Porous Carbon Material Derived from Expired Polysaccharides Snack/Iron Salt Exhibiting Magnetic Properties, for Hexavalent Chromium Removal. <i>Polysaccharides</i> , 2022, 3, 326-346.	4.8	1