Charis R Theocharis

List of Publications by Year
in descending order

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84	1,109	394421	477307
papers	citations	19	29
		h-index	g-index

84	84	84	900
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The use of mixed crystals for engineering organic solid-state reactions: application to benzylbenzylidenecyclopentanones. Journal of the American Chemical Society, 1984, 106, 3606-3609.	13.7	63
2	Structural mimicry and the photoreactivity of organic solids. Journal of the Chemical Society Chemical Communications, 1983, , 1443.	2.0	54
3	Adsorption of nitrogen and water vapour by activated KevlarÂ® chars. Carbon, 1993, 31, 865-869.	10.3	49
4	Enhancement of Lewis acidity in layer aluminosilicates. Treatment with acetic acid. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 1509.	1.0	48
5	The solid-state photodimerisation of 2,5-dibenzylidenecyclopentanone (DBCP); a topochemical reaction that yields an amorphous product. Journal of the Chemical Society Perkin Transactions II, 1984, , 71.	0.9	47
6	Adsorption of nitrogen and water vapour by activated NomexÂ® chars. Carbon, 1995, 33, 795-799.	10.3	45
7	Crystal engineering of photodimerizable cyclopentanones. Comparison of chloro- and methyl-substitution as solid-state steering groups. The Journal of Physical Chemistry, 1981, 85, 2594-2597.	2.9	41
8	Engineering organic crystals so as to control the photoreactivity of the reactants and the crystallinity of the products. Journal of the Chemical Society Chemical Communications, 1980, , 610.	2.0	40
9	Authenticity of the Traditional Cypriot Spirit â€œZivaniaâ€•on the Basis of Metal Content Using a Combination of Coupled Plasma Spectroscopy and Statistical Analysis. Journal of Agricultural and Food Chemistry, 2003, 51, 6233-6239.	5.2	39
10	Authenticity of the Traditional Cypriot Spirit â€œZivaniaâ€•on the Basis of1H NMR Spectroscopy Diagnostic Parameters and Statistical Analysis. Journal of Agricultural and Food Chemistry, 2005, 53, 5293-5303.	5.2	34
11	Reactions of platinum(II) acetylides with organolithium compounds: formation of lithium-bridged dinuclear platinum(II) complexes and of triorganoplatinate(II) complexes: crystal structure of the complex [Pt2(Cî€‡CPh)4(PEt3)2(Bun)2(Âµ-Li)2]. Journal of the Chemical Society Dalton Transactions, 1984, , 747-756.	1.1	30
12	The preparation and adsorptive properties of ammonia-activated viscose rayon chars. Carbon, 1993, 31, 13-20.	10.3	30
13	Chemometric Characterization of the Cypriot Spirit â€œZivaniaâ€• Journal of Agricultural and Food Chemistry, 2005, 53, 5067-5073.	5.2	30
14	Incorporation of zinc in an aluminophosphate microporous phase. Journal of the Chemical Society Chemical Communications, 1985, , 1056.	2.0	29
15	A study of the infrared absorption spectra of thin amorphous films of molybdenum trioxide. Journal of Materials Science, 1989, 24, 2387-2390.	3.7	25
16	Characterization of the traditional Cypriot spirit Zivania by means of Counterpropagation Artificial Neural Networks. Chemometrics and Intelligent Laboratory Systems, 2007, 87, 52-58.	3.5	23
17	Authenticity of Cypriot Sweet Wine Commandaria Using FTâ€IR and Chemometrics. Journal of Food Science, 2011, 76, C420-7.	3.1	23
18	Studies of steam-activated viscose rayon chars. Carbon, 1992, 30, 907-911.	10.3	22

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19	Rates of activation and scanning electron microscopy of polyarylamide-derived chars. Carbon, 1995, 33, 789-793.	10.3	22
20	Chemometric analysis combined with FTIR spectroscopy of milk and Halloumi cheese samples according to speciesâ€™ origin. Food Science and Nutrition, 2020, 8, 3262-3273.	3.4	18
21	Chemometric Discrimination of the Geographical Origin of Three Greek Cultivars of Olive Oils by Stable Isotope Ratio Analysis. Foods, 2021, 10, 336.	4.3	18
22	The adsorption of water vapour by VPI-5, a large pore molecular sieve. Journal of the Chemical Society Chemical Communications, 1991, , 974.	2.0	16
23	An unusual photo-induced conformational polymorphism: a crystallographic study of bis(p-methoxy)-trans-stilbene. Journal of the Chemical Society Chemical Communications, 1984, , 1291.	2.0	15
24	The nature of supported-molybdena catalysts. Evidence from a raman and X-ray diffraction investigation of pyridine adsorption. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 1601.	1.0	14
25	The Adsorption of Water Vapour by Microporous Solids. Studies in Surface Science and Catalysis, 1991, 62, 685-692.	1.5	14
26	Adsorptive properties and stability of VPI-5, a large-pore molecular sieve. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 3349.	1.7	14
27	Effect of surface and textural characteristics on uranium adsorption by nanoporous titania. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 1141-1147.	1.5	14
28	Temperature programmed reduction of silica supported nickel catalysts. Colloid and Polymer Science, 1993, 271, 1100-1105.	2.1	13
29	The Use of High Resolution Adsorption Measurements for the Study of Porous Solids. Studies in Surface Science and Catalysis, 1993, , 323-332.	1.5	13
30	Surface properties of ceria synthesised using Triton-X based reverse microemulsions. RSC Advances, 2019, 9, 7025-7031.	3.6	13
31	Clays, Zeolites and Other Microporous Solids for Organic Synthesis. Modern Synthetic Methods, 1989, , 249-304.	4.8	13
32	Scaling Dimensions of Nitrogen Adsorption Characteristics in Modulated Mesoporous Aluminophosphates. Journal of Colloid and Interface Science, 1997, 185, 104-110.	9.4	12
33	The Photodimerisation of Crystalline 2,5-Dibemzylidenecyclopentanome. Molecular Crystals and Liquid Crystals, 1983, 93, 53-60.	0.8	10
34	Study of the crystal and molecular structure of the 9-cyanoanthracene trans dimer and of its monomerisation. Journal of the Chemical Society Faraday Transactions I, 1985, 81, 857.	1.0	10
35	Evaluation of novel, cationic electrospun microfibrous membranes as adsorbents in bacteria removal. RSC Advances, 2015, 5, 67617-67629.	3.6	10
36	Crystal and molecular structures of 2-(p-methylbenzyl)- and 2-(p-chlorobenzyl)-5-(p-bromobenzylidene)cyclopentanone. Influence of chloro and methyl substitution on solid-state reactivity. Journal of Crystallographic and Spectroscopic Research, 1982, 12, 377-389.	0.2	9

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37	The efficient removal of organic templating molecules from aluminophosphate molecular sieves. Journal of the Chemical Society Chemical Communications, 1986, , 781.	2.0	9
38	Modified aluminophosphate molecular sieves: preparation and characterisation. Catalysis Today, 1988, 2, 613-620.	4.4	9
39	Preparation and Characterization of Nanoporous Ceria Containing Heteroatoms, With and Without a Matrix. Adsorption, 2005, 11, 763-767.	3.0	9
40	The effect of surface properties on the uranium adsorption by mesoporous ceria. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 2193-2197.	1.5	9
41	Crystal structure of 3,3-(p-N,N-dimethylaminophenyl)-6-N,N-dimethylaminophthalide, (crystal-violet) Tj ETQq1 1 0.784314 rgBT /Overl	0.2	8
42	Topochemical Reactions of Metal Complexes of Substituted Benzylidenecyclopentanones. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 156, 85-91.	0.3	8
43	Investigations on the Surface Properties of Pure and Alkali or Alkaline Earth Metal Doped Ceria. Studies in Surface Science and Catalysis, 2000, , 643-652.	1.5	8
44	Single-crystal study of the solid-state polymerisation of butadiynylenebis-(m-acetamidobenzene). Journal of the Chemical Society Perkin Transactions II, 1986, , 1965.	0.9	7
45	Study of the influence of the impregnation acidity on the structure and properties of molybdenaâ€“silica catalysts. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 2835.	1.0	7
46	Investigation of infrared absorption spectra of copper phosphate glasses containing some rare earth oxides. Journal of Materials Science, 1990, 25, 3956-3959.	3.7	7
47	Tuning the porosity and surface characteristics of nanoporous titania using non-ionic surfactant reverse micelles. RSC Advances, 2018, 8, 29890-29898.	3.6	7
48	Co-ordination polymers based on 2,5-dibenzylidenecyclopentanone, which are photochemically cross-linkable. Journal of the Chemical Society Chemical Communications, 1987, , 80.	2.0	6
49	Induction of mesoporosity in ALPO-5. Treatment with silicon tetrachloride. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 2641.	1.0	6
50	Effect of fluoro substitution on the packing motifs of benzylidene- and dibenzylidene-cyclopentanones. Journal of the Chemical Society Perkin Transactions II, 1991, , 1131.	0.9	6
51	Authentication and Chemometric Discrimination of Six Greek PDO Table Olive Varieties through Morphological Characteristics of Their Stones. Foods, 2021, 10, 1829.	4.3	6
52	Discrimination of Cheddar, Kefalotyri, and Halloumi cheese samples by the chemometric analysis of Fourier transform infrared spectroscopy and proton nuclear magnetic resonance spectra. Journal of Food Process Engineering, 2022, 45, .	2.9	6
53	Infrared spectra of some thin amorphous films of MoO3-In2O3 deposited by vacuum evaporation. Journal of Materials Science, 1989, 24, 4409-4413.	3.7	5
54	Characterization of microporous zirconia gels. Studies in Surface Science and Catalysis, 1994, 87, 487-496.	1.5	5

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55	A diffuse reflectance fourier transform infra-red study of carbon dioxide adsorption on silicalite-I. Journal of Chemical Technology and Biotechnology, 2007, 52, 473-480.	3.2	5
56	Synthesis and Characterization of Mesoporous Cerium Oxide Prepared Using an Organic Base and a Templating Agent. Adsorption Science and Technology, 2008, 26, 687-692.	3.2	5
57	Preparation and Characterization of a Cerium(IV)-incorporated Manganese Oxide OMS-2. Effect of Cerium(IV) Template on Octahedral Molecular Sieves of Manganese Oxide and Characterization of Manganese Oxide Molecular Sieves with Cerium(IV) as Dopant. Adsorption Science and Technology, 2008, 26, 789-801.	3.2	5
58	Study of the Crystallization of Nanoporous Mixed Metal Oxide Phases. Adsorption Science and Technology, 2008, 26, 643-650.	3.2	5
59	Changes in the surface properties of calcium hydroxide upon ageing A spectroscopic and gas sorption study. Colloids and Surfaces, 1991, 58, 353-361.	0.9	4
60	The effect of sorbed toluene on the surface properties of calcium hydroxide. Journal of Chemical Technology and Biotechnology, 1998, 71, 223-226.	3.2	4
61	Crystal and molecular structure of 1,3-dibenzylcyclobutane-2,4-bis(2?-spiro-(5?-p-chloro)-benzylcyclopentanone): Product of a single-crystal?single-crystal reaction. Journal of Crystallographic and Spectroscopic Research, 1984, 14, 447-455.	0.2	3
62	Study of the structure and properties of TAPO-5 molecular sieve. Catalysis Letters, 1989, 3, 371-378.	2.6	3
63	The Measurement of Mesoporosity. , 1993, , 3-18.		3
64	Preparation And Surface Characterisation Of Novel Ceria-Copper And Ceria-Manganese Mixed Oxides. Studies in Surface Science and Catalysis, 2002, , 75-82.	1.5	3
65	Preparation and Characterization of Nanoporous Ternary Mixed Cerium Oxides. Studies in Surface Science and Catalysis, 2007, 160, 615-620.	1.5	3
66	Discrimination of Cheddar and Kefalotyri Cheese Samples: Analysis by Chemometrics of Proton-NMR and FTIR Spectra. Journal of Agricultural Science and Technology B, 2019, 9, .	0.1	3
67	The thermally induced phase transition of crystalline 9-cyanoanthracene dimer: a single crystal study. Journal of the Chemical Society Chemical Communications, 1984, , 369.	2.0	2
68	Functionalisation of the Surface of Calcium Hydroxide by Grafting of Organic Molecules. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 187, 345-350.	0.3	2
69	A novel calcium hydroxide molecular composite: preparation and characterisation. Journal of the Chemical Society Dalton Transactions, 1990, , 633.	1.1	2
70	Infrared spectroscopy and electrical characterization of phosphorus implanted and annealed silicon layers. Nuclear Instruments & Methods in Physics Research B, 1995, 103, 46-55.	1.4	2
71	Solid state reactions of metals complexes of substituted cyclopentanones: An infrared spectroscopic study. Solid State Ionics, 1989, 32-33, 609-612.	2.7	1
72	Dimerization and polymerization of enones in the fluid and solid states. , 0, , 1133-1176.		1

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73	Sorption of Water Vapour by Partially Decomposed Calcium Hydroxide. Studies in Surface Science and Catalysis, 1991, 62, 653-658.	1.5	1
74	A NEW CHEMISTRY CURRICULUM IN A NEWLY FOUNDED UNIVERSITY: DESIGN UNDER CONSTRAINTS. Chemistry Education Research and Practice, 2000, 1, 295-302.	2.5	1
75	Investigation of the Synthesis and Properties of Ternary Vâ€“Cuâ€“Ce Oxides of Composition V_xCu_xCe_{1 â€“ 2x}O₂. Adsorption Science and Technology, 2009, 27, 811-820.	3.2	1
76	Using Statistical Analysis as an Additional Tool in Porous Solid Characterization. Adsorption Science and Technology, 2011, 29, 381-389.	3.2	1
77	Comparison of Textural Characteristics of Ceria Solids Prepared via Triton X Reverse Micelles and <i>in Situ</i> Synthesized Ce(OⁱPr)₄ and Ce(OⁱPr) ₃ Precursors. Materials Sciences and Applications, 2019, 10, 585-599.	0.4	1
78	Nitric Acid-treated Bentonite Clay: A Novel Oxidation Supported Reagent. Adsorption Science and Technology, 1990, 7, 172-179.	3.2	0
79	Topochemical Solid State [2+2] Cyclodimerisations of Enones: Theoretical Considerations. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 187, 53-58.	0.3	0
80	Fluoro Substitution Effects in the Crystal Packing of Fluorobenzenes. Molecular Crystals and Liquid Crystals, 1992, 211, 89-97.	0.3	0
81	Adsorptive Properties of Microporous Zro2 Gels. Studies in Surface Science and Catalysis, 1993, 80, 531-536.	1.5	0
82	Control of the Morphology of Crystalline Calcium Hydroxide. Molecular Crystals and Liquid Crystals, 2001, 356, 205-214.	0.3	0
83	Topochemical Transformationsof Substituted Cyclopentanone Transition Metal Adducts. Molecular Crystals and Liquid Crystals, 2002, 389, 105-111.	0.9	0
84	Comparison of Surface Characteristics of Mesoporous Titania Prepared in Matrix-Free Solutions and Using Triton X Reverse Micelles. Materials Sciences and Applications, 2020, 11, 715-732.	0.4	0