

Otto Berkesi

List of Publications by Year in descending order

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59
papers

3,488
citations

304743

22
h-index

144013

57
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61
all docs

61
docs citations

61
times ranked

5613
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of Surface Functional Groups in a Series of Progressively Oxidized Graphite Oxides. <i>Chemistry of Materials</i> , 2006, 18, 2740-2749.	6.7	1,600
2	DRIFT study of deuterium-exchanged graphite oxide. <i>Carbon</i> , 2005, 43, 3186-3189.	10.3	535
3	Asphaltene adsorption on clays and crude oil reservoir rocks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 137, 373-384.	4.7	175
4	Formation of spherical iron(III) oxyhydroxide nanoparticles sterically stabilized by chitosan in aqueous solutions. <i>Journal of Inorganic Biochemistry</i> , 2003, 95, 55-63.	3.5	82
5	DSC, X-ray and FTIR studies of a gemfibrozil/dimethyl- β -cyclodextrin inclusion complex produced by co-grinding. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 57, 62-67.	2.8	65
6	Release of cationic drugs from loaded clay minerals. <i>Colloid and Polymer Science</i> , 2001, 279, 1177-1182.	2.1	54
7	Characterization of Poly(3-octylthiophene)/Silver Nanocomposites Prepared by Solution Doping. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11872-11878.	3.1	53
8	Structural characterization of allomelanin from black oat. <i>Phytochemistry</i> , 2016, 130, 313-320.	2.9	53
9	Polymer-bound osmium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 1997, 120, 197-205.	4.8	47
10	Self-organization of calcium oxalate by flow-driven precipitation. <i>Chemical Communications</i> , 2014, 50, 4289-4291.	4.1	42
11	Conducting Polymer-Based Electrode with Magnetic Behavior: Electrochemical Synthesis of Poly(3-thiophene-acetic-acid)/Magnetite Nanocomposite Thin Layers. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1352-1358.	3.1	41
12	Compatibility studies of aceclofenac with retard tablet excipients by means of thermal and FT-IR spectroscopic methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 265-271.	3.6	35
13	Water-soluble loratadine inclusion complex: Analytical control of the preparation by microwave irradiation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1020-1023.	2.8	34
14	Hydrogen bonding interactions of benzylidene type Schiff bases studied by vibrational spectroscopic and computational methods. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2009-2014.	2.8	33
15	Changes in DRIFT spectra of wood irradiated by UV laser as a function of energy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 173, 137-142.	3.9	29
16	Ibuprofen penetration enhance by sucrose ester examined by ATR-FTIR in vivo. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 125-128.	2.4	29
17	Intercalation of lecithins for preparation of layered nanohybrid materials and adsorption of limonene. <i>Applied Clay Science</i> , 2013, 72, 155-162.	5.2	29
18	Irregular Response of the Polypyrrole Films to H ₂ S. <i>Electroanalysis</i> , 2000, 12, 1195-1200.	2.9	28

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19	On the Unexpected Cation Exchange Behavior, Caused by Covalent Bond Formation between PEDOT and Cl ⁻ Ions: Extending the Conception for the Polymer-Dopant Interactions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5491-5500.	2.6	26
20	Effect of UV laser radiation with different wavelengths on the spectrum of lignin extracted from hard wood materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 187-192.	3.9	24
21	Thermoanalytical, FTIR and X-ray studies of gemfibrozil-cyclodextrin complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 81, 267-272.	3.6	24
22	Photocatalytic performance of silver-modified TiO ₂ embedded in poly(ethyl-acrylate-co-methyl methacrylate) (PEMA). <i>Journal of Applied Polymer Science</i> , 2010, 115, 1000-1008.	2.1	24
23	Preparation and characterization of multiwalled carbon nanotube/In ₂ O ₃ composites. <i>Carbon</i> , 2013, 60, 266-272.	10.3	23
24	Pulsed laser deposition of polyhydroxybutyrate biodegradable polymer thin films using ArF excimer laser. <i>Applied Surface Science</i> , 2006, 253, 1185-1189.	6.1	21
25	Formation and mid-FT-IR investigation of short (C ₂ -C ₅) straight chain tetrazinc 1,4-oxo-hexa-1,4-carboxylates. <i>Inorganica Chimica Acta</i> , 1991, 181, 285-289.	2.4	20
26	Achievement of pH-independence of poorly-soluble, ionizable loratadine by inclusion complex formation with dimethyl-β-cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 64, 249-254.	1.6	20
27	The Structure of Gallium in Strongly Alkaline, Highly Concentrated Gallate Solutions—a Raman and ⁷¹ Ga-NMR Spectroscopic Study. <i>Journal of Solution Chemistry</i> , 2008, 37, 1411-1418.	1.2	19
28	The significance of colloidal hydrocarbons in crude oil production Part 1. New aspects of the stability and rheological properties of water-crude oil emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 113, 279-293.	4.7	18
29	Visible-Light-Enhanced Electrocatalytic Activity of a Polypyrrole/Magnetite Hybrid Electrode toward the Reduction of Dissolved Dioxygen. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19338-19344.	3.1	18
30	FT-IR studies on the formation of tetrazinc long straight-chain (even-numbered C ₆ -C ₁₈) 1,4-oxo-hexa-1,4-carboxylates from the corresponding bis(carboxylato)zinc compounds. <i>Inorganica Chimica Acta</i> , 1992, 195, 169-173.	2.4	17
31	Temperature-dependent Fourier transform infrared and differential scanning calorimetry studies of zinc carboxylates. <i>Vibrational Spectroscopy</i> , 1995, 8, 167-174.	2.2	16
32	Thermoanalytical studies on complexes of ketoconazole with cyclodextrin derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 74, 769-777.	3.6	16
33	Study of the effect of lactose on the structure of sodium alginate films. <i>Carbohydrate Polymers</i> , 2009, 77, 530-535.	10.2	16
34	Vibrations of central oxygen in a high-symmetry tetranuclear metal cluster: A definitive assignment using isotopic substitution in a basic zinc carboxylate complex. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 147-149.	0.1	15
35	Preparation, Characterization and Catalytic Activities of Immobilized Enzyme Mimics. <i>Catalysis Letters</i> , 2009, 127, 239-247.	2.6	15
36	Speciation and structure of tin(II) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 17971-17979.	3.3	15

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37	Influence of the spatial structure of the alkyl chain on the composition of the product of the direct neutralization reaction between aliphatic carboxylic acids and zinc hydroxide. <i>Inorganica Chimica Acta</i> , 1996, 249, 17-23.	2.4	13
38	Study of the effect of plasticizer on the structure and surface characteristics of ethylcellulose free films with FT-IR spectroscopy. <i>Microchemical Journal</i> , 2013, 110, 36-39.	4.5	13
39	Electrochemical hydrogenation of C60 fullerene films. <i>Journal of Electroanalytical Chemistry</i> , 2003, 548, 131-137.	3.8	12
40	Fixation of laccase enzyme into polypyrrole, assisted by chemical interaction with modified magnetite nanoparticles: A facile route to synthesize stable electroactive bionanocomposite catalysts. <i>Electrochimica Acta</i> , 2014, 122, 282-288.	5.2	12
41	Fourier transform infrared spectroscopic study on the molecular structure of bis(butanoato) zinc(II) and $\frac{1}{4}$ -oxohexa- $\frac{1}{4}$ -butanoatotetrazinc(II) complexes. <i>Vibrational Spectroscopy</i> , 1991, 2, 205-209.	2.2	11
42	Vibrational spectroscopic study of the hydrated platinum(II), palladium(II) and <i>cis</i> - Δ -diammineplatinum(II) ions in acidic aqueous solutions. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 481-490.	2.5	11
43	Influence of the alkyl-chain on the symmetry and structural changes of Zn ₄ O(RCO ₂) ₆ complexes in film phase—An FT-IR study. <i>Vibrational Spectroscopy</i> , 2007, 43, 227-236.	2.2	10
44	Synthesis and Spectroscopic and Computational Characterization of Zn ₄ O(Alicyclic or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	10
45	Using low-frequency IR spectra for the unambiguous identification of metal ion—ligand coordination sites in purpose-built complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 257-259.	3.9	10
46	Protein structure is changed in psoriatic skin on the unaffected region — Imaging possibility with ATR-FTIR spectroscopy. <i>Microchemical Journal</i> , 2014, 117, 183-186.	4.5	9
47	Wood degradation caused by UV-laser of 248 nm wavelength. <i>European Journal of Wood and Wood Products</i> , 1998, 56, 318-318.	2.9	8
48	Development of Solvent-Free Co-Ground Method to Produce Terbinafine Hydrochloride Cyclodextrin Binary Systems; Structural and In Vitro Characterizations. <i>Pharmaceutics</i> , 2022, 14, 744.	4.5	7
49	Heterogeneous Asymmetric Hydrogenation of N-Heterocyclic Compounds: Hydrogenation of Tetrahydroisoquinoline Derivatives. <i>Topics in Catalysis</i> , 2012, 55, 880-888.	2.8	6
50	Changes in DRIFT spectra of wood irradiated by lasers of different wavelength. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 112, 43-47.	3.8	5
51	Cyclodextrin Complexation of Fenofibrate by Co-Grinding Method and Monitoring the Process Using Complementary Analytical Tools. <i>Pharmaceutics</i> , 2022, 14, 1329.	4.5	3
52	Effect of stirring on film formation from a Eudragit RS aqueous dispersion. <i>Polymers for Advanced Technologies</i> , 2006, 17, 814-817.	3.2	2
53	Laser treatment of white China surface. <i>Applied Surface Science</i> , 2006, 252, 4516-4522.	6.1	2
54	Study of the Effect of Stirring on Foam Formation from Various Aqueous Acrylic Dispersions. <i>Drug Development and Industrial Pharmacy</i> , 2007, 33, 141-146.	2.0	2

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55	The Structure and Thermal Properties of Solid Ternary Compounds Forming with Ca ²⁺ , Al ³⁺ and Heptagluconate Ions. <i>Molecules</i> , 2020, 25, 4715.	3.8	1
56	Si-doped carbon nanostructured films by pulsed laser deposition from a liquid target. <i>Solid State Sciences</i> , 2009, 11, 1783-1787.	3.2	0
57	Structural features of pyridylcinnamic acid dimers and their extended hydrogen-bonded aggregations. <i>Journal of Molecular Structure</i> , 2015, 1090, 25-33.	3.6	0
58	Comparative Raman Studies of Hydrogenated Amorphous Carbon Films by Using Infrared and Visible Laser Excitations. , 1997, , 755-756.		0
59	Analytical Investigation of Cyclodextrin Complexation Using the Co-Grinding Technique in the Case of Terbinafine Hydrochloride. <i>Proceedings (mdpi)</i> , 2020, 78, .	0.2	0