

Kornelia Lewandowska

List of Publications by Year in descending order

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54
papers

559
citations

687220

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752573

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55
all docs

55
docs citations

55
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercapacitance in graphene oxide materials modified with tetrapyrrole dyes: a mechanistic study. <i>Nanoscale</i> , 2022, 14, 8534-8547.	2.8	1
2	Structural Polymorphism of Sorafenib Tosylate as a Key Factor in Its Solubility Differentiation. <i>Pharmaceutics</i> , 2021, 13, 384.	2.0	7
3	Combinations of Piperine with Hydroxypropyl- β -Cyclodextrin as a Multifunctional System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4195.	1.8	11
4	The Inclusion of Tolfenamic Acid into Cyclodextrins Stimulated by Microenvironmental pH Modification as a Way to Increase the Anti-Migraine Effect. <i>Journal of Pain Research</i> , 2021, Volume 14, 981-992.	0.8	5
5	Radiation sterilization as safe and effective way to obtain sterile biapenem. <i>Radiation Physics and Chemistry</i> , 2021, 182, 109363.	1.4	2
6	Combinations of Freeze-Dried Amorphous Vardenafil Hydrochloride with Saccharides as a Way to Enhance Dissolution Rate and Permeability. <i>Pharmaceutics</i> , 2021, 14, 453.	1.7	5
7	Hydroxypropyl- β -cyclodextrin as an effective carrier of curcumin α piperine nutraceutical system with improved enzyme inhibition properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1811-1821.	2.5	27
8	Spectroscopic identification of intermediates and final products of the chiral pool synthesis of sutezolid. <i>Journal of Molecular Structure</i> , 2020, 1217, 128396.	1.8	2
9	Computer-Aided Design of Cefuroxime Axetil/Cyclodextrin System with Enhanced Solubility and Antimicrobial Activity. <i>Biomolecules</i> , 2020, 10, 24.	1.8	21
10	The radiolytic studies of panipenem in the solid state. <i>Acta Poloniae Pharmaceutica</i> , 2020, 77, 241-250.	0.3	1
11	The Radiation Sterilization of Ertapenem Sodium in the Solid State. <i>Molecules</i> , 2019, 24, 2944.	1.7	4
12	Machine Learning Approach for Determining the Formation of β -Lactam Antibiotic Complexes with Cyclodextrins Using Multispectral Analysis. <i>Molecules</i> , 2019, 24, 743.	1.7	6
13	Supramolecular Complexes of Graphene Oxide with Porphyrins: An Interplay between Electronic and Magnetic Properties. <i>Molecules</i> , 2019, 24, 688.	1.7	26
14	THE POSSIBILITY OF USING X-RAY POWDER DIFFRACTION, INFRARED AND RAMAN SPECTROSCOPY IN THE STUDY OF THE IDENTIFICATION OF STRUCTURAL POLYMORPHS OF ACETAMINOPHEN. <i>Acta Poloniae Pharmaceutica</i> , 2019, 76, 997-1004.	0.3	1
15	Effects of inclusion of cetirizine hydrochloride in β -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 91, 149-159.	0.9	8
16	Charge transfer tuning in TiO ₂ hybrid nanostructures with acceptor-acceptor systems. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2415-2424.	2.7	4
17	Application of spectroscopic methods (FT-IR, Raman, ECD and NMR) in studies of identification and optical purity of radezolid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 116-122.	2.0	5
18	Vibrational (FT-IR, Raman) and DFT analysis on the structure of labile drugs. The case of crystalline tebipenem and its ester. <i>Journal of Molecular Structure</i> , 2017, 1134, 135-142.	1.8	2

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19	Comprehensive spectral identification of key intermediates to the final product of the chiral pool synthesis of radezolid. <i>Chemistry Central Journal</i> , 2017, 11, 82.	2.6	12
20	Solid-state stability studies of crystal form of tebipenem. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 238-244.	0.9	9
21	β -Cyclodextrin complexation as an effective drug delivery system for meropenem. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 99, 24-34.	2.0	44
22	Infrared, Raman and ultraviolet with circular dichroism analysis and theoretical calculations of tedizolid. <i>Journal of Molecular Structure</i> , 2016, 1115, 136-143.	1.8	8
23	Radiostability of cefoselis sulfate in the solid state. <i>X-Ray Spectrometry</i> , 2015, 44, 344-350.	0.9	10
24	Complex of Rutin with β -Cyclodextrin as Potential Delivery System. <i>PLoS ONE</i> , 2015, 10, e0120858.	1.1	50
25	Application of Vibrational Spectroscopy Supported by Theoretical Calculations in Identification of Amorphous and Crystalline Forms of Cefuroxime Axetil. <i>Scientific World Journal</i> , The, 2015, 2015, 1-8.	0.8	3
26	Application of spectroscopic methods for identification (FT-IR, Raman spectroscopy) and determination (UV, EPR) of quercetin-3-O-rutinoside. Experimental and DFT based approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 132-139.	2.0	33
27	Tuning of electronic properties of fullerene-oligothiophene layers. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	5
28	Solid-state stability and compatibility studies of clavulanate potassium. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 146-152.	1.1	4
29	Bi _x VO ₄ solid solutions: tuning of electronic properties via stoichiometry modifications. <i>Nanoscale</i> , 2014, 6, 2244-2254.	2.8	22
30	Optical signal demultiplexing and conversion in the fullerene-oligothiophene-CdS system. <i>Applied Surface Science</i> , 2014, 319, 285-290.	3.1	9
31	Spectroscopic properties and orientation of molecules in Langmuir-Blodgett layers of selected functionalized fullerenes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 204-209.	2.0	6
32	Indium-chlorine and gallium-chlorine tetrasubstituted phthalocyanines in a bulk system, Langmuir monolayers and Langmuir-Blodgett nanolayers - Spectroscopic investigations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 489-496.	2.0	8
33	Solid-state stability studies of faropenem based on chromatography, spectroscopy and theoretical analysis. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 136-143.	0.9	5
34	Solid-state stability study of meropenem solutions based on spectrophotometric analysis. <i>Chemistry Central Journal</i> , 2013, 7, 98.	2.6	22
35	Absorption and emission properties of the corrole-fullerene dyad. <i>Synthetic Metals</i> , 2013, 166, 70-76.	2.1	15
36	The use of UV, FT-IR and Raman spectra for the identification of the newest penem analogs: Solutions based on mathematic procedure and the density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 435-441.	2.0	6

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37	Spectral studies of molecular orientation in corrole-fullerene thin films. <i>Synthetic Metals</i> , 2013, 176, 18-25.	2.1	14
38	Vibrational properties of new corrole-fullerene dyad and its components. <i>Dyes and Pigments</i> , 2013, 96, 249-255.	2.0	22
39	Stress Degradation Studies of Tebipenem and a Validated Stability-Indicating LC Method. <i>Chromatographia</i> , 2013, 76, 381-386.	0.7	8
40	Spectroscopic characterization of selected fullerene-organic chromophore Langmuir-Blodgett films. <i>Optical Materials</i> , 2012, 34, 1729-1734.	1.7	4
41	Vibrational investigations of new functionalized fullerenes. <i>Synthetic Metals</i> , 2012, 162, 285-290.	2.1	6
42	Structure and spectral properties of [Fe(dipy) ₃](TCNQ) ₄ ·{(H ₃ C) ₂ CO} anion-radical salt. <i>Synthetic Metals</i> , 2012, 162, 1577-1581.	2.1	3
43	Molecular orientation in self-assembled layers of two functionalized fullerenes-Role of bromine atom at the end of alkyl chain. <i>Synthetic Metals</i> , 2012, 162, 2134-2137.	2.1	3
44	Theoretical and experimental analytical studies on potassium clavulanate. <i>Current Issues in Pharmacy and Medical Sciences</i> , 2012, 25, 317-321.	0.1	1
45	Raman and infrared studies of molecular orientation in fullerene-thiophene films. <i>New Journal of Chemistry</i> , 2011, 35, 1291-1295.	1.4	7
46	Photoelectrochemical cells based on LB films of fullerene-thiophene derived dyads. <i>Synthetic Metals</i> , 2011, 161, 1640-1645.	2.1	8
47	Molecular Photodiode and Two-channel Optoelectronic Demultiplexer based on the [60]Fullerene-porphyrin Tetrad. <i>Australian Journal of Chemistry</i> , 2011, 64, 1409.	0.5	6
48	Covalent dyads of porphyrin-fullerene and perylene-fullerene for organic photovoltaics: Spectroscopic and photocurrent studies. <i>Optical Materials</i> , 2011, 33, 1424-1428.	1.7	6
49	Nanolayers of Donor-Acceptor Systems Composed of Fullerene and Chromophore. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 462-467.	1.0	5
50	Nanolayers of selected porphyrin and phthalocyanine dyes on solid substrates studied by electronic absorption and IR reflection-absorption spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 225-231.	2.0	11
51	Vibrational properties of thin films and solid state of perylenediimide-fullerene dyads. <i>Chemical Physics</i> , 2008, 352, 339-344.	0.9	13
52	Charge transfer in PDI-derived systems studied with light-induced electron spin resonance. <i>Synthetic Metals</i> , 2007, 157, 363-367.	2.1	7
53	IR reflection-absorption spectroscopic study of Langmuir-Blodgett films of selected porphyrins and their dyads to fullerene on gold substrates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 12-18.	2.0	14
54	Charge transfer in fullerene-porphyrin-derived dyads studied with light-induced electron spin resonance. <i>Chemical Physics</i> , 2007, 336, 165-170.	0.9	12