Kornelia Lewandowska

List of Publications by Year
in descending order

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54	559	687220 13	752573 20
papers	citations	h-index	g-index

55	55	55	826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex of Rutin with Î²-Cyclodextrin as Potential Delivery System. PLoS ONE, 2015, 10, e0120858.	1.1	50
2	Î²-Cyclodextrin complexation as an effective drug delivery system for meropenem. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 99, 24-34.	2.0	44
3	Application of spectroscopic methods for identification (FT-IR, Raman spectroscopy) and determination (UV, EPR) of quercetin-3-O-rutinoside. Experimental and DFT based approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 132-139.	2.0	33
4	Hydroxypropyl-Î²-cyclodextrin as an effective carrier of curcumin â€“ piperine nutraceutical system with improved enzyme inhibition properties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1811-1821.	2.5	27
5	Supramolecular Complexes of Graphene Oxide with Porphyrins: An Interplay between Electronic and Magnetic Properties. Molecules, 2019, 24, 688.	1.7	26
6	Solid-state stability study of meropenem â€“ solutions based on spectrophotometric analysis. Chemistry Central Journal, 2013, 7, 98.	2.6	22
7	Vibrational properties of new corroleâ€“fullerene dyad and its components. Dyes and Pigments, 2013, 96, 249-255.	2.0	22
8	Bi_xLa_{1â^'x}VO₄ solid solutions: tuning of electronic properties via stoichiometry modifications. Nanoscale, 2014, 6, 2244-2254.	2.8	22
9	Computer-Aided Design of Cefuroxime Axetil/Cyclodextrin System with Enhanced Solubility and Antimicrobial Activity. Biomolecules, 2020, 10, 24.	1.8	21
10	Absorption and emission properties of the corroleâ€“fullerene dyad. Synthetic Metals, 2013, 166, 70-76.	2.1	15
11	IR reflectionâ€“absorption spectroscopic study of Langmuirâ€“Blodgett films of selected porphyrins and their dyads to fullerene on gold substrates. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 12-18.	2.0	14
12	Spectral studies of molecular orientation in corrole-fullerene thin films. Synthetic Metals, 2013, 176, 18-25.	2.1	14
13	Vibrational properties of thin films and solid state of perylenediimideâ€“fullerene dyads. Chemical Physics, 2008, 352, 339-344.	0.9	13
14	Charge transfer in fullerene â€“ porphyrin-derived dyads studied with light-induced electron spin resonance. Chemical Physics, 2007, 336, 165-170.	0.9	12
15	Comprehensive spectral identification of key intermediates to the final product of the chiral pool synthesis of radezolid. Chemistry Central Journal, 2017, 11, 82.	2.6	12
16	Nanolayers of selected porphyrin and phthalocyanine dyes on solid substrates studied by electronic absorption and IR reflectionâ€“absorption spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 225-231.	2.0	11
17	Combinations of Piperine with Hydroxypropyl-Î²-Cyclodextrin as a Multifunctional System. International Journal of Molecular Sciences, 2021, 22, 4195.	1.8	11
18	Radiostability of cefoselis sulfate in the solid state. X-Ray Spectrometry, 2015, 44, 344-350.	0.9	10

#	Article	IF	Citations
19	Optical signal demultiplexing and conversion in the fullereneâ€“oligothiopheneâ€“CdS system. Applied Surface Science, 2014, 319, 285-290.	3.1	9
20	Solid-state stability studies of crystal form of tebipenem. Drug Development and Industrial Pharmacy, 2016, 42, 238-244.	0.9	9
21	Photoelectrochemical cells based on LB films of fullereneâ€“thiophene derived dyads. Synthetic Metals, 2011, 161, 1640-1645.	2.1	8
22	Stress Degradation Studies of Tebipenem and a Validated Stability-Indicating LC Method. Chromatographia, 2013, 76, 381-386.	0.7	8
23	Indiumâ€“chlorine and galliumâ€“chlorine tetrasubstituted phthalocyanines in a bulk system, Langmuir monolayers and Langmuirâ€“Blodgett nanolayers â€“ Spectroscopic investigations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 489-496.	2.0	8
24	Infrared, Raman and ultraviolet with circular dichroism analysis and theoretical calculations of tedizolid. Journal of Molecular Structure, 2016, 1115, 136-143.	1.8	8
25	Effects of inclusion of cetirizine hydrochloride in Î²-cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2018, 91, 149-159.	0.9	8
26	Charge transfer in PDI-derived systems studied with light-induced electron spin resonance. Synthetic Metals, 2007, 157, 363-367.	2.1	7
27	Raman and infrared studies of molecular orientation in fullereneâ€“thiophene films. New Journal of Chemistry, 2011, 35, 1291-1295.	1.4	7
28	Structural Polymorphism of Sorafenib Tosylate as a Key Factor in Its Solubility Differentiation. Pharmaceutics, 2021, 13, 384.	2.0	7
29	Molecular Photodiode and Two-channel Optoelectronic Demultiplexer based on the [60]Fullerene-porphyrin Tetrad. Australian Journal of Chemistry, 2011, 64, 1409.	0.5	6
30	Covalent dyads of porphyrinâ€“fullerene and peryleneâ€“fullerene for organic photovoltaics: Spectroscopic and photocurrent studies. Optical Materials, 2011, 33, 1424-1428.	1.7	6
31	Vibrational investigations of new functionalized fullerenes. Synthetic Metals, 2012, 162, 285-290.	2.1	6
32	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 435-441.	2.0	6
33	Spectroscopic properties and orientation of molecules in Langmuirâ€“Blodgett layers of selected functionalized fullerenes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 204-209.	2.0	6
34	Machine Learning Approach for Determining the Formation of Î²-Lactam Antibiotic Complexes with Cyclodextrins Using Multispectral Analysis. Molecules, 2019, 24, 743.	1.7	6
35	Nanolayers of Donor-Acceptor Systems Composed of Fullerene and Chromophore. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 462-467.	1.0	5
36	Solid-state stability studies of faropenem based on chromatography, spectroscopy and theoretical analysis. Drug Development and Industrial Pharmacy, 2014, 40, 136-143.	0.9	5

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37	Tuning of electronic properties of fullerene-oligothiophene layers. Applied Physics Letters, 2015, 106, .	1.5	5
38	Application of spectroscopic methods (FT-IR, Raman, ECD and NMR) in studies of identification and optical purity of radezolid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 116-122.	2.0	5
39	The Inclusion of Tolfenamic Acid into Cyclodextrins Stimulated by Microenvironmental pH Modification as a Way to Increase the Anti-Migraine Effect. Journal of Pain Research, 2021, Volume 14, 981-992.	0.8	5
40	Combinations of Freeze-Dried Amorphous Vardenafil Hydrochloride with Saccharides as a Way to Enhance Dissolution Rate and Permeability. Pharmaceuticals, 2021, 14, 453.	1.7	5
41	Spectroscopic characterization of selected fullereneâ€“organic chromophore Langmuirâ€“Blodgett films. Optical Materials, 2012, 34, 1729-1734.	1.7	4
42	Solid-state stability and compatibility studies of clavulanate potassium. Pharmaceutical Development and Technology, 2015, 20, 146-152.	1.1	4
43	Charge transfer tuning in TiO2 hybrid nanostructures with acceptorâ€“acceptor systems. Journal of Materials Chemistry C, 2017, 5, 2415-2424.	2.7	4
44	The Radiation Sterilization of Ertapenem Sodium in the Solid State. Molecules, 2019, 24, 2944.	1.7	4
45	Structure and spectral properties of [Fe(dipy)3](TCNQ)4Â·{(H3C)2CO} anion-radical salt. Synthetic Metals, 2012, 162, 1577-1581.	2.1	3
46	Molecular orientation in self-assembled layers of two functionalized fullerenesâ€”Role of bromine atom at the end of alkyl chain. Synthetic Metals, 2012, 162, 2134-2137.	2.1	3
47	Application of Vibrational Spectroscopy Supported by Theoretical Calculations in Identification of Amorphous and Crystalline Forms of Cefuroxime Axetil. Scientific World Journal, The, 2015, 2015, 1-8.	0.8	3
48	Vibrational (FT-IR, Raman) and DFT analysis on the structure of labile drugs. The case of crystalline tebipenem and its ester. Journal of Molecular Structure, 2017, 1134, 135-142.	1.8	2
49	Spectroscopic identification of intermediates and final products of the chiral pool synthesis of sutezolid. Journal of Molecular Structure, 2020, 1217, 128396.	1.8	2
50	Radiation sterilization as safe and effective way to obtain sterile biapenem. Radiation Physics and Chemistry, 2021, 182, 109363.	1.4	2
51	Theoretical and experimental analytical studies on potassium clavulanate. Current Issues in Pharmacy and Medical Sciences, 2012, 25, 317-321.	0.1	1
52	THE POSSIBILITY OF USING X-RAY POWDER DIFFRACTION, INFRARED AND RAMAN SPECTROSCOPY IN THE STUDY OF THE IDENTIFICATION OF STRUCTURAL POLYMORPHS OF ACETAMINOPHEN. Acta Poloniae Pharmaceutica, 2019, 76, 997-1004.	0.3	1
53	The radiolytic studies of panipenem in the solid state. Acta Poloniae Pharmaceutica, 2020, 77, 241-250.	0.3	1
54	Supercapacitance in graphene oxide materials modified with tetrapyrrole dyes: a mechanistic study. Nanoscale, 2022, 14, 8534-8547.	2.8	1