

# Agnieszka Kierys

## List of Publications by Year in descending order

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51  
papers

709  
citations

516215

16  
h-index

610482

24  
g-index

51  
all docs

51  
docs citations

51  
times ranked

828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal degradation of CTAB in as-synthesized MCM-41. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 375-382.	2.0	68
2	Nickel catalysts supported on silica microspheres for CO <sub>2</sub> methanation. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 79-91.	2.2	55
3	<sup>29</sup> Si NMR and Raman Glimpses into the Molecular Structures of Acid and Base Set Silica Gels Obtained from TEOS and Na-Silicate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24788-24799.	1.5	45
4	Synthesis and characterization of nanostructural polymer-silica composite: Positron annihilation lifetime spectroscopy study. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 268-276.	5.0	43
5	Polymer/silica composite of core-shell type by polymer swelling in TEOS. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 361-365.	5.0	34
6	Positron annihilation and N <sub>2</sub> adsorption for nanopore determination in silica-polymer composites. <i>RSC Advances</i> , 2012, 2, 3729.	1.7	33
7	Polymer-silica composites and silicas produced by high-temperature degradation of organic component. <i>Thermochimica Acta</i> , 2015, 615, 43-50.	1.2	25
8	n-Heptane adsorption and desorption on porous silica observed by positron annihilation lifetime spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2012, 154, 142-147.	2.2	22
9	Synthesis of Aspirin-loaded Polymer-Silica Composites and their Release Characteristics. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14369-14376.	4.0	22
10	Polymer-mesoporous silica composites for drug release systems. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109881.	2.2	22
11	Composition of pore surface investigated by positron annihilation lifetime spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 276-281.	2.2	20
12	Positron Probing of Liquid-free Volume To Investigate Adsorption-Desorption Behavior of Water in Two-Dimensional Mesoporous SBA-3. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17251-17262.	1.5	19
13	Polymer-silica composite as a carrier of an active pharmaceutical ingredient. <i>Microporous and Mesoporous Materials</i> , 2014, 193, 40-46.	2.2	18
14	n-Heptane adsorption in periodic mesoporous silica by in situ positron annihilation lifetime spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 104-110.	2.2	17
15	Insight into the structure of polymer-silica nano-composites prepared by vapor-phase. <i>Journal of Colloid and Interface Science</i> , 2015, 441, 65-70.	5.0	17
16	Positron insight into evolution of pore volume and penetration of the polymer network by n-heptane molecules in mesoporous XAD4. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10009-10019.	1.3	17
17	Isothermal template removal from MCM-41 in hydrogen flow. <i>Microporous and Mesoporous Materials</i> , 2007, 98, 242-248.	2.2	14
18	The release of ibuprofen sodium salt from permanently porous poly(hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (methacry Materials, 2015, 217, 133-140.	2.2	14

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19	One-pot synthesis of two different highly porous silica materials. Microporous and Mesoporous Materials, 2016, 221, 14-22.	2.2	14
20	TG/DSC/FTIR studies on the oxidative decomposition of polymer-silica composites loaded with sodium ibuprofen. Polymer Degradation and Stability, 2017, 138, 151-160.	2.7	14
21	Free volumes evolution during desorption of n-heptane from silica with regular pore geometry. Positron annihilation study. Applied Surface Science, 2010, 256, 5316-5322.	3.1	13
22	Nanostructured polymer-titanium composites and titanium oxide through polymer swelling in titania precursor. Colloid and Polymer Science, 2013, 291, 1463-1470.	1.0	13
23	Encapsulation of diclofenac sodium within polymer beads by silica species via vapour-phase synthesis. Colloids and Surfaces B: Biointerfaces, 2016, 142, 30-37.	2.5	13
24	Thermal characterization of polymer-silica composites loaded with ibuprofen sodium salt. Journal of Analytical and Applied Pyrolysis, 2015, 114, 91-99.	2.6	12
25	Sorption on as-synthesized MCM-41. Journal of Thermal Analysis and Calorimetry, 2007, 87, 165-169.	2.0	9
26	Positron porosimetry study of mesoporous polymer-silica composites. Adsorption, 2016, 22, 745-754.	1.4	9
27	The porosity and morphology of mesoporous silica agglomerates. Journal of Porous Materials, 2010, 17, 669-676.	1.3	8
28	What can positronium tell us about adsorption?. Adsorption, 2013, 19, 529-535.	1.4	8
29	Polymer-amino-functionalized silica composites for the sustained-release multiparticulate system. Materials Science and Engineering C, 2018, 85, 114-122.	3.8	8
30	Polymer-hybrid silica composite for the azo dye removal from aqueous solution. Journal of Dispersion Science and Technology, 2019, 40, 1396-1404.	1.3	8
31	Mesoporous micelle templated silica with incorporated C8 and C18 phase. Journal of Thermal Analysis and Calorimetry, 2007, 87, 217-222.	2.0	7
32	Organic deposits on MCM-41 surface after thermal treatment of as-synthesized samples. European Physical Journal: Special Topics, 2008, 154, 335-338.	1.2	7
33	Synthesis of the mesostructured polymer-silica composite and silicon dioxide through polymer swelling in silica precursor. Adsorption, 2016, 22, 663-671.	1.4	7
34	Thinning down of polymer matrix by entrapping silica nanoparticles. Colloid and Polymer Science, 2011, 289, 751-758.	1.0	6
35	Effect of silica precursor transformation on diclofenac sodium release. RSC Advances, 2015, 5, 94067-94076.	1.7	5
36	Mixed-valence mesoporous manganese oxide spheres from waste manganese nitrate aqueous solution. Microporous and Mesoporous Materials, 2019, 284, 353-359.	2.2	5

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37	Influence of different confining matrices on negative pressure in liquid n-heptane investigated using positronium bubbles as a probe. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 259-268.	5.0	5
38	Polymer templated production of highly porous cerium oxide in direct temperature driven transformation of cerium(III) salt. <i>Microporous and Mesoporous Materials</i> , 2021, 318, 111032.	2.2	5
39	Positron lifetime spectroscopy of defect structures in Cd <sub>1-x</sub> Zn <sub>x</sub> Te mixed crystals grown by vertical Bridgman-Stockbarger method. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 515-525.	0.5	5
40	On The Molecular Basis Of Silica Gel Morphology. <i>Advanced Materials Letters</i> , 2015, 6, 40-46.	0.3	4
41	Unraveling the Phase Behavior of Water Confined in Nanochannels through Positron Annihilation. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5916-5926.	1.5	4
42	Thermal stability of chemically bonded phases on silica gel by photoacoustic FT-IR spectroscopy. <i>European Physical Journal Special Topics</i> , 2006, 137, 291-295.	0.2	3
43	Temperature dependence of positronium lifetime in cylindrical pores. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 3814-3818.	0.8	3
44	N-heptane adsorption and desorption in mesoporous materials. <i>Journal of Physics: Conference Series</i> , 2015, 618, 012040.	0.3	3
45	Formation of polysilsesquioxane network by vapor-phase method in the spatially limited system of cross-linked polymer pores. <i>Polymer</i> , 2018, 141, 202-212.	1.8	2
46	Vapour-phase method in the synthesis of polymer-ibuprofen sodium-silica gel composites. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 972-980.	1.2	1
47	Positron Annihilation Lifetime Spectroscopy Application to <i>In Situ</i> Monitoring of n-Heptane Sorption in Mesopores. <i>Defect and Diffusion Forum</i> , 0, 373, 288-294.	0.4	1
48	Positron study of adsorption of n-heptane in SBA-3. <i>Adsorption</i> , 2019, 25, 881-887.	1.4	1
49	Ammonia vapor induced transformation of selected alkoxysilanes within artificial and natural polymer templates. <i>Journal of Non-Crystalline Solids</i> , 2022, 576, 121288.	1.5	1
50	Positron Lifetime Annihilation Study of Porous Composites and Silicas Synthesized Using Polymer Templates. <i>Defect and Diffusion Forum</i> , 0, 373, 280-283.	0.4	0
51	Effect of condensing tetraethoxysilane on desorption of organic compound from porous polymer. <i>Adsorption Science and Technology</i> , 2017, 35, 490-498.	1.5	0