

# Beata Strzemiecka

## List of Publications by Citations

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42  
papers

658  
citations

14  
h-index

25  
g-index

44  
ext. papers

729  
ext. citations

3.9  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
42	Inverse gas chromatography as a source of physicochemical data. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 1551-66	4.5	189
41	Assessment of the surface chemistry of carbon blacks by TGA-MS, XPS and inverse gas chromatography using statistical chemometric analysis. <i>Applied Surface Science</i> , <b>2014</b> , 316, 315-323	6.7	65
40	Activation of Magnesium Lignosulfonate and Kraft Lignin: Influence on the Properties of Phenolic Resin-Based Composites for Potential Applications in Abrasive Materials. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	39
39	Physicochemical Characterization of Functional Lignin-Silica Hybrid Fillers for Potential Application in Abrasive Tools. <i>Materials</i> , <b>2016</b> , 9,	3.5	31
38	Reactive Diazonium-Modified Silica Fillers for High-Performance Polymers. <i>Langmuir</i> , <b>2016</b> , 32, 11646-11654	5.3	25
37	Examination of zeolites as fragrance carriers. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 161, 106-114	5.3	24
36	Characteristics of Multifunctional, Eco-Friendly Lignin-Al <sub>2</sub> O <sub>3</sub> Hybrid Fillers and Their Influence on the Properties of Composites for Abrasive Tools. <i>Molecules</i> , <b>2017</b> , 22,	4.8	21
35	Influence of different fillers on phenolic resin abrasive composites. Comparison of inverse gas chromatographic and dynamic mechanical thermal analysis characteristics. <i>International Journal of Adhesion and Adhesives</i> , <b>2014</b> , 51, 81-86	3.4	19
34	Estimation of the work of adhesion by means of inverse gas chromatography for polymer complex systems. <i>International Journal of Adhesion and Adhesives</i> , <b>2012</b> , 38, 84-88	3.4	19
33	Diazonium-modified zeolite fillers. Effect of diazonium substituent position on the filler surface modification and the mechanical properties of phenolic/zeolite composites. <i>International Journal of Adhesion and Adhesives</i> , <b>2018</b> , 85, 157-164	3.4	15
32	Surface energy of bovine dentin and enamel by means of inverse gas chromatography. <i>Materials Science and Engineering C</i> , <b>2015</b> , 49, 382-389	8.3	15
31	Characterization of fillers used in abrasive articles by means of inverse gas chromatography and principal component analysis. <i>International Journal of Adhesion and Adhesives</i> , <b>2007</b> , 27, 188-194	3.4	15
30	Application of inverse gas chromatography in physicochemical characterization of phenolic resin adhesives. <i>Journal of Chromatography A</i> , <b>2014</b> , 1368, 199-203	4.5	14
29	Characterization of zeolites as potential new generation fillers in abrasive articles. Physicochemical properties of zeolites and their interactions with resins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 372, 80-85	5.1	14
28	Functional lignin-SiO <sub>2</sub> hybrids as potential fillers for phenolic binders. <i>Journal of Adhesion Science and Technology</i> , <b>2016</b> , 30, 1031-1048	2	12
27	Inverse Gas Chromatographic Examination of Polymer Composites. <i>Open Chemistry</i> , <b>2015</b> , 13,	1.6	12
26	Inverse gas chromatography investigation of oxidized polyolefins: surface properties. <i>Journal of Chromatography A</i> , <b>2014</b> , 1337, 194-201	4.5	11

25	Application of different analytical methods used in the study of the cross-linking of resins in intermediate-product used in manufacturing of abrasive articles. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 3305-3312	2.9	11
24	Modification of Ti6Al4V surface by diazonium compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 191, 27-35	4.4	10
23	Estimation of polyurethane-carbon black interactions by means of inverse gas chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1314, 249-54	4.5	10
22	Kraft lignin/cubic boron nitride hybrid materials as functional components for abrasive tools. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 88-94	7.9	10
21	Similarity and grouping of perlite and zeolite abrasive fillers: A replacement test. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3839-3847	2.9	8
20	Influence of relative humidity on the properties of examined materials by means of inverse gas chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1271, 201-6	4.5	8
19	Carbon black modified with 4-hydroxymethylbenzenediazonium salt as filler for phenol-formaldehyde resins and abrasive tools. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48160	2.9	8
18	The Examination of the Degree of Coverage of the Fused Alumina Abrasive by Resol Wetting Agent by Inverse GC. <i>Chromatographia</i> , <b>2009</b> , 70, 1393-1397	2.1	7
17	Determination of Hansen Solubility Parameters by Means of Gas-Solid Inverse Gas Chromatography. <i>Adsorption Science and Technology</i> , <b>2008</b> , 26, 93-102	3.6	7
16	Mechanically robust and thermally stable abrasive tools from phenolic resins reinforced with diazonium-modified zeolites. <i>Polymer Composites</i> , <b>2019</b> , 40, 3209-3219	3	7
15	The effect of lignin-alumina hybrid additive on the properties of composition used in abrasive tools. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 531-538	7.9	6
14	Inverse Gas Chromatographic Characterization of Aluminosilicates as Fillers for Abrasive Articles. <i>Chromatographia</i> , <b>2012</b> , 75, 353-360	2.1	6
13	Assessment of the adsorption strength of fragrances on zeolites via solid-phase extraction. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2017</b> , 40, 353-360	1.3	3
12	The influence of ion exchange in zeolite X on the properties of phenol-formaldehyde composites. <i>International Journal of Adhesion and Adhesives</i> , <b>2020</b> , 100, 102625	3.4	3
11	Application of inverse gas chromatography in the characterization of raw material used in manufacturing of abrasive materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 280, 177-181	5.1	3
10	Synthesis and Characterization of Low-Cost Cresol-Based Benzoxazine Resins as Potential Binders in Abrasive Composites. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
9	Additives for Abrasive Materials <b>2018</b> ,		3
8	Influence of Change of Si/Al Ratio on the Synthesis of Mesoporous Aluminosilicates and Flexural Strength of Novolac Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2019</b> , 29, 1439-1446	3.2	2

7	Surface Analysis of ClayPolymer Nanocomposites <b>2017</b> , 363-411		1
6	Evaluation of the physico-chemical properties of hydrocarbons-exposed bacterial biomass. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 196, 111310	6	1
5	Physicochemical Analysis of the Particulate Matter Emitted from Road Vehicle Engines. <i>Energies</i> , <b>2021</b> , 14, 8556	3.1	1
4	The Physicochemical Characteristics of Prosthetic Materials and Their Influence on Their Clinical Properties. <i>Chromatographia</i> , <b>2017</b> , 80, 1761-1769	2.1	0
3	New Essential Events in Modern Applications of Inverse Gas Chromatography <b>2015</b> , 979-998		
2	Synthesis, characterization, and possible application as sorbents of new low-cost aluminosilicate materials with different Si/Al ratios. <i>International Journal of Materials Research</i> , <b>2019</b> , 110, 551-562	0.5	
1	Reinforced Polymers: The Emerging Role of Diazonium Modification of Fillers. <i>Physical Chemistry in Action</i> , <b>2022</b> , 379-404		