Mariusz Sandomierski

List of Publications by Citations

25 papers	172 citations	7 h-index	11 g-index
31 ext. papers	265 ext. citations	3.9 avg, IF	4 L-index

#	Paper	IF	Citations
25	Reactive Diazonium-Modified Silica Fillers for High-Performance Polymers. *Langmuir*, **2016**, 32, 11646-11654	4	25
24	Calcium forms of zeolites A and X as fillers in dental restorative materials with remineralizing potential. *Microporous and Mesoporous Materials*, **2020**, 294, 109899	5.3	17
23	Diazonium-modified zeolite fillers. Effect of diazonium substituent position on the filler surface modification and the mechanical properties of phenolic/zeolite composites. *International Journal of Adhesion and Adhesives*, **2018**, 85, 157-164	3.4	15
22	Diazonium Modification of Inorganic and Organic Fillers for the Design of Robust Composites: A Review. *Journal of Inorganic and Organometallic Polymers and Materials*, **2021**, 31, 1-21	3.2	12
21	Zeolite fillers for resin-based composites with remineralizing potential. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 210, 126-135	4.4	11
20	Modification of Ti6Al4V surface by diazonium compounds. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 191, 27-35	4.4	10
19	Carbon black modified with 4-hydroxymethylbenzenediazonium salt as filler for phenol-formaldehyde resins and abrasive tools. *Journal of Applied Polymer Science*, **2020**, 137, 48160	2.9	8
18	Mechanically robust and thermally stable abrasive tools from phenolic resins reinforced with diazonium-modified zeolites. *Polymer Composites*, **2019**, 40, 3209-3219	3	7
17	Active diazonium-modified zeolite fillers for methacrylate-based composites. *Composite Interfaces*, **2019**, 26, 643-657	2.3	7
16	Influence of diazonium and surfactant modification of the mesoporous material on its adsorption properties. *Chemical Papers*, **2020**, 74, 929-938	1.9	6
15	Improvement of mechanical properties of silica/phenolic composites and abrasive tools by modification of filler using diazonium salt with hydroxymethyl groups. *Polymer Testing*, **2019**, 75, 373-379	4.5	5
14	Calcium-Rich 13X Zeolite as a Filler with Remineralizing Potential for Dental Composites. *ACS Biomaterials Science and Engineering*, **2020**, 6, 3843-3854	5.5	5
13	The possibility of the polyurethane layer attachment to the unmodified and diazonium-modified titanium alloy applied as potential biomaterial. *Surface and Coatings Technology*, **2020**, 385, 125389	4.4	5
12	Improving the abrasion resistance of Ti6Al4V alloy by modifying its surface with a diazonium salt and attaching of polyurethane. *Scientific Reports*, **2020**, 10, 19289	4.9	5
11	Inverse gas chromatography in the examination of surface properties of experimental dental composites. *Polymer Testing*, **2020**, 90, 106697	4.5	4
10	Calcium zeolites as intelligent carriers in controlled release of bisphosphonates. *International Journal of Pharmaceutics*, **2020**, 578, 119117	6.5	4
9	Characterization of mesoporous aluminosilicate materials by means of inverse liquid chromatography. *Journal of Chromatography A*, **2020**, 1610, 460544	4.5	4

List of Publications

8	The influence of ion exchange in zeolite X on the properties of phenol-formaldehyde composites. *International Journal of Adhesion and Adhesives*, **2020**, 100, 102625	3.4	3
7	Calcium montmorillonite and montmorillonite with hydroxyapatite layer as fillers in dental composites with remineralizing potential. *Applied Clay Science*, **2020**, 198, 105822	5.2	3
6	A long-term controlled release of the drug for osteoporosis from the surface of titanium implants coated with calcium zeolite. *Materials Chemistry Frontiers*, **2021**, 5, 5718-5725	7.8	3
5	New Mesoporous Aluminosilicates Used for Solid-phase Extraction of Hydrocarbons and Fragrance Compounds. *Analytical Letters*, **2018**, 51, 2026-2038	2.2	2
4	Influence of Change of Si/Al Ratio on the Synthesis of Mesoporous Aluminosilicates and Flexural Strength of Novolac Composites. *Journal of Inorganic and Organometallic Polymers and Materials*, **2019**, 29, 1439-1446	3.2	2
3	Silica-filled methacrylic composites with extremely high compressive strength. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 116, 104319	4.1	1
2	Formation of the octadecylphosphonic acid layer on the surface of Ti6Al4V ELI titanium alloy and analysis using Raman spectroscopy. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 265, 120368	4.4	0
1	Synthesis, characterization, and possible application as sorbents of new low-cost aluminosilicate materials with different Si/Al ratios. *International Journal of Materials Research*, **2019**, 110, 551-562	0.5	