Michal Marszewski

List of Publications by Year
in descending order

27 papers	1,207 citations	516710 16 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	2231 citing authors

#	Article	IF	Citations
1	Transparent silica aerogel slabs synthesized from nanoparticle colloidal suspensions at near ambient conditions on omniphobic liquid substrates. Journal of Colloid and Interface Science, 2022, 606, 884-897.	9.4	6
2	Elastic and plastic mechanical properties of nanoparticle-based silica aerogels and xerogels. Microporous and Mesoporous Materials, 2022, 330, 111569.	4.4	15
3	Room temperature rectification in tapered-channel thermal diodes through nanoscale confinement-induced liquidâ€“solid phase change. Journal of Applied Physics, 2021, 129, 075103.	2.5	1
4	Comparing methods for measuring thickness, refractive index, and porosity of mesoporous thin films. Microporous and Mesoporous Materials, 2020, 291, 109677.	4.4	27
5	Examining the Role of Atomic Scale Heterogeneity on the Thermal Conductivity of Transparent, Thermally Insulating, Mesoporous Silicaâ€“Titania Thin Films. Journal of Physical Chemistry C, 2020, 124, 27442-27452.	3.1	4
6	Controlling Thermal Conductivity in Mesoporous Silica Films Using Pore Size and Nanoscale Architecture. Journal of Physical Chemistry Letters, 2020, 11, 3731-3737.	4.6	8
7	Engineering mesoporous silica for superior optical and thermal properties. MRS Energy & Sustainability, 2020, 7, 1.	3.0	11
8	Thick Transparent Nanoparticle-Based Mesoporous Silica Monolithic Slabs for Thermally Insulating Window Materials. ACS Applied Nano Materials, 2019, 2, 4547-4555.	5.0	16
9	Artificial phototropism for omnidirectional tracking and harvesting of light. Nature Nanotechnology, 2019, 14, 1048-1055.	31.5	191
10	Exploring the Effect of Porous Structure on Thermal Conductivity in Templated Mesoporous Silica Films. Journal of Physical Chemistry C, 2019, 123, 21721-21730.	3.1	19
11	Computer-generated mesoporous materials and associated structural characterization. Computational Materials Science, 2019, 157, 156-167.	3.0	16
12	Effect of surface hydroxyl groups on heat capacity of mesoporous silica. Applied Physics Letters, 2018, 112, .	3.3	11
13	Synthesis of Porous Crystalline Doped Titania Photocatalysts Using Modified Precursor Strategy. Chemistry of Materials, 2016, 28, 7878-7888.	6.7	23
14	Equilibrium isotherms and isosteric heat for CO2 adsorption on nanoporous carbons from polymers. Adsorption, 2016, 22, 581-588.	3.0	23
15	Benzene and Methane Adsorption on Ultrahigh Surface Area Carbons Prepared from Sulphonated Styrene Divinylbenzene Resin by KOH Activation. Adsorption Science and Technology, 2015, 33, 587-594.	3.2	27
16	Scaffold-assisted synthesis of crystalline mesoporous titania materials. RSC Advances, 2015, 5, 61960-61972.	3.6	6
17	Adsorption Properties of Activated Carbons Prepared from Waste CDs and DVDs. ACS Sustainable Chemistry and Engineering, 2015, 3, 733-742.	6.7	73
18	Semiconductor-based photocatalytic CO₂ conversion. Materials Horizons, 2015, 2, 261-278.	12.2	380

#	Article	IF	Citations
19	Highly microporous polymer-based carbons for CO2 and H2 adsorption. RSC Advances, 2014, 4, 14795.	3.6	23
20	Saran-Derived Carbons for CO2and Benzene Sorption at Ambient Conditions. Industrial & Engineering Chemistry Research, 2014, 53, 15383-15388.	3.7	15
21	Microwave-Assisted Synthesis of Porous Carbonâ€“Titania and Highly Crystalline Titania Nanostructures. ACS Applied Materials & Interfaces, 2013, 5, 1948-1954.	8.0	20
22	Toward Tunable Adsorption Properties, Structure, and Crystallinity of Titania Obtained by Block Copolymer and Scaffold-Assisted Templating. Langmuir, 2013, 29, 12549-12559.	3.5	20
23	AlSb thin films as negative electrodes for Li-ion and Na-ion batteries. Journal of Power Sources, 2013, 243, 699-705.	7.8	89
24	Organic acid-assisted soft-templating synthesis of ordered mesoporous carbons. Adsorption, 2013, 19, 563-569.	3.0	15
25	New opportunities in StÃ¶ber synthesis: preparation of microporous and mesoporous carbon spheres. Journal of Materials Chemistry, 2012, 22, 12636.	6.7	120
26	Polymer-templated mesoporous carbons synthesized in the presence of nickel nanoparticles, nickel oxide nanoparticles, and nickel nitrate. Applied Surface Science, 2012, 258, 3763-3770.	6.1	22
27	Carbonâ€“gold coreâ€“shell structures: formation of shells consisting of gold nanoparticles. Chemical Communications, 2012, 48, 3972.	4.1	26