

# Piotr Natkański

## List of Publications by Year in descending order

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26  
papers

500  
citations

686830

13  
h-index

676716

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Co <sub>3</sub> O <sub>4</sub> -pillared montmorillonite catalysts synthesized by hydrogel-assisted route for total oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2016, 195, 59-68.	10.8	93
2	Thermal stability of montmorillonite polyacrylamide and polyacrylate nanocomposites and adsorption of Fe(III) ions. <i>Applied Clay Science</i> , 2013, 75-76, 153-157.	2.6	41
3	Thermal transformation of polyacrylonitrile deposited on SBA-15 type silica. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 119-125.	2.0	35
4	Porous clay heterostructures intercalated with multicomponent pillars as catalysts for dehydration of alcohols. <i>Applied Clay Science</i> , 2018, 160, 116-125.	2.6	35
5	Multifunctional Carbon Aerogels Derived by Sol-Gel Process of Natural Polysaccharides of Different Botanical Origin. <i>Materials</i> , 2017, 10, 1336.	1.3	31
6	Hydrotalcite-derived cobalt-aluminum mixed oxide catalysts for toluene combustion. <i>Applied Surface Science</i> , 2016, 362, 297-303.	3.1	30
7	Novel CuO-containing catalysts based on ZrO <sub>2</sub> hollow spheres for total oxidation of toluene. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 446-455.	2.2	26
8	Controlled swelling and adsorption properties of polyacrylate/montmorillonite composites. <i>Materials Chemistry and Physics</i> , 2012, 136, 1109-1115.	2.0	22
9	Effect of Fe <sup>3+</sup> ions present in the structure of poly(acrylic acid)/montmorillonite composites on their thermal decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 335-342.	2.0	21
10	Electrochemical properties of K and S doped LiMn <sub>2</sub> O <sub>4</sub> studied by GITT and EIS. <i>Electrochimica Acta</i> , 2021, 373, 137901.	2.6	18
11	Influence of textural and structural properties of MgAl and MgZnAl containing hydrotalcite derived oxides on Cr(VI) adsorption capacity. <i>Materials Chemistry and Physics</i> , 2012, 132, 929-936.	2.0	17
12	Removal of cyanobacterial anatoxin-a from water by natural clay adsorbents. <i>Applied Clay Science</i> , 2017, 148, 17-24.	2.6	16
13	Dynamic adsorption-desorption of methyl ethyl ketone on MCM-41 and SBA-15 decorated with thermally activated polymers. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 465-480.	2.9	15
14	Understanding porous structure of SBA-15 upon pseudomorphic transformation into MCM-41: Non-direct investigation by carbon replication. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 92, 131-144.	2.9	14
15	Synthesis of pseudo-CMK-3 carbon replicas by precipitation polycondensation of furfuryl alcohol in the pore system of SBA-15 detemplated using KMnO <sub>4</sub> . <i>Materials Today Communications</i> , 2017, 13, 6-22.	0.9	13
16	Hydrogel template-assisted synthesis of nanometric Fe <sub>2</sub> O <sub>3</sub> supported on exfoliated clay. <i>Microporous and Mesoporous Materials</i> , 2016, 221, 212-219.	2.2	12
17	New insight into the effect of surface oxidized groups of nanostructured carbon supported Pd catalysts on the furfural hydrogenation. <i>Surfaces and Interfaces</i> , 2019, 17, 100379.	1.5	11
18	Influence of thermal treatment conditions on efficiency of PFA/MCM-48 composite and CMK-1 carbon replica in adsorption of volatile organic compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1313-1322.	2.0	9

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19	Physicochemical properties of hydrogel template-synthesized copper(II) oxide-modified clay influencing its catalytic activity in toluene combustion. <i>RSC Advances</i> , 2016, 6, 100373-100382.	1.7	7
20	Study on the thermal performance of carbamazepine at different temperatures, pressures and atmosphere conditions. <i>Thermochimica Acta</i> , 2021, 703, 178990.	1.2	7
21	Effect of solvent polarity in formation of perfectly ordered CMK-3 and CMK-5 carbon replicas by precipitation polycondensation of furfuryl alcohol. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111542.	2.2	7
22	Deposition of poly(furfuryl alcohol) in mesoporous silica template controlled by solvent polarity: A cornerstone of facile and versatile synthesis of high-quality CMK-type carbon replicas. <i>Nanocasting of SBA-15, SBA-16, and KIT-6. Carbon</i> , 2022, 195, 292-307.	5.4	7
23	Effect of the type of siliceous template and carbon precursor on physicochemical and catalytic properties of mesoporous nanostructured carbon-palladium systems. <i>Journal of Porous Materials</i> , 2020, 27, 1287-1308.	1.3	5
24	Sol-gel synthesis, structural and electrical properties of Li <sub>2</sub> CoSiO <sub>4</sub> cathode material. <i>Functional Materials Letters</i> , 2014, 07, 1440001.	0.7	4
25	Leak testing of carbon-tin nanocomposites by thermal analysis methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 47-53.	2.0	2
26	Polymer Hydrogel-Clay (Nano)Composites. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 1-62.	0.3	2