

# Piotr Natkański

## List of Publications by Year in descending order

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26  
papers

500  
citations

687363

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h-index

677142

22  
g-index

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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. Applied Catalysis B: Environmental, 2016, 195, 59-68.	20.2	93
2	Thermal stability of montmorillonite polyacrylamide and polyacrylate nanocomposites and adsorption of Fe(III) ions. Applied Clay Science, 2013, 75-76, 153-157.	5.2	41
3	Thermal transformation of polyacrylonitrile deposited on SBA-15 type silica. Journal of Thermal Analysis and Calorimetry, 2012, 110, 119-125.	3.6	35
4	Porous clay heterostructures intercalated with multicomponent pillars as catalysts for dehydration of alcohols. Applied Clay Science, 2018, 160, 116-125.	5.2	35
5	Multifunctional Carbon Aerogels Derived by Sol-Gel Process of Natural Polysaccharides of Different Botanical Origin. Materials, 2017, 10, 1336.	2.9	31
6	Hydrotalcite-derived cobalt-aluminum mixed oxide catalysts for toluene combustion. Applied Surface Science, 2016, 362, 297-303.	6.1	30
7	Novel CuO-containing catalysts based on ZrO <sub>2</sub> hollow spheres for total oxidation of toluene. Microporous and Mesoporous Materials, 2019, 279, 446-455.	4.4	26
8	Controlled swelling and adsorption properties of polyacrylate/montmorillonite composites. Materials Chemistry and Physics, 2012, 136, 1109-1115.	4.0	22
9	Effect of Fe <sup>3+</sup> ions present in the structure of poly(acrylic acid)/montmorillonite composites on their thermal decomposition. Journal of Thermal Analysis and Calorimetry, 2013, 113, 335-342.	3.6	21
10	Electrochemical properties of K and S doped LiMn <sub>2</sub> O <sub>4</sub> studied by GITT and EIS. Electrochimica Acta, 2021, 373, 137901.	5.2	18
11	Influence of textural and structural properties of MgAl and MgZnAl containing hydrotalcite derived oxides on Cr(VI) adsorption capacity. Materials Chemistry and Physics, 2012, 132, 929-936.	4.0	17
12	Removal of cyanobacterial anatoxin-a from water by natural clay adsorbents. Applied Clay Science, 2017, 148, 17-24.	5.2	16
13	Dynamic adsorption-desorption of methyl ethyl ketone on MCM-41 and SBA-15 decorated with thermally activated polymers. Journal of Industrial and Engineering Chemistry, 2019, 71, 465-480.	5.8	15
14	Understanding porous structure of SBA-15 upon pseudomorphic transformation into MCM-41: Non-direct investigation by carbon replication. Journal of Industrial and Engineering Chemistry, 2020, 92, 131-144.	5.8	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> . Materials Today Communications, 2017, 13, 6-22.	1.9	13
16	Hydrogel template-assisted synthesis of nanometric Fe <sub>2</sub> O <sub>3</sub> supported on exfoliated clay. Microporous and Mesoporous Materials, 2016, 221, 212-219.	4.4	12
17	New insight into the effect of surface oxidized groups of nanostructured carbon supported Pd catalysts on the furfural hydrogenation. Surfaces and Interfaces, 2019, 17, 100379.	3.0	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. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1313-1322.	3.6	9

#	ARTICLE	IF	CITATIONS
19	Physicochemical properties of hydrogel template-synthesized copper(II) oxide-modified clay influencing its catalytic activity in toluene combustion. RSC Advances, 2016, 6, 100373-100382.	3.6	7
20	Study on the thermal performance of carbamazepine at different temperatures, pressures and atmosphere conditions. Thermochimica Acta, 2021, 703, 178990.	2.7	7
21	Effect of solvent polarity in formation of perfectly ordered CMK-3 and CMK-5 carbon replicas by precipitation polycondensation of furfuryl alcohol. Microporous and Mesoporous Materials, 2022, 329, 111542.	4.4	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. Nanocasting of SBA-15, SBA-16, and KIT-6. Carbon, 2022, 195, 292-307.	10.3	7
23	Effect of the type of siliceous template and carbon precursor on physicochemical and catalytic properties of mesoporous nanostructured carbon-palladium systems. Journal of Porous Materials, 2020, 27, 1287-1308.	2.6	5
24	Sol-gel synthesis, structural and electrical properties of Li <sub>2</sub> CoSiO <sub>4</sub> cathode material. Functional Materials Letters, 2014, 07, 1440001.	1.2	4
25	Leak testing of carbon-tin nanocomposites by thermal analysis methods. Journal of Thermal Analysis and Calorimetry, 2017, 127, 47-53.	3.6	2
26	Polymer Hydrogel-Clay (Nano)Composites. Gels Horizons: From Science To Smart Materials, 2018, , 1-62.	0.3	2