

# Krzysztof Bahranowski

## List of Publications by Year in descending order

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27  
papers

668  
citations

686830

13  
h-index

552369

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of polylactide/clay composites using structurally different kaolinites and kaolinite nanotubes. <i>Applied Clay Science</i> , 2011, 51, 102-109.	2.6	96
2	Cyclohexene oxidation by Fe-, Co-, and Mn-metalloporphyrins supported on aluminated mesoporous silica. <i>Applied Catalysis A: General</i> , 2004, 275, 9-14.	2.2	81
3	The Effect of Structural Order on Nanotubes Derived From Kaolin-Group Minerals. <i>Clays and Clay Minerals</i> , 2009, 57, 452-464.	0.6	77
4	Environmental catalysis by tailored materials derived from layered minerals. <i>Catalysis Today</i> , 2004, 90, 85-92.	2.2	72
5	Surface Area and Porosity of Nanotubes Obtained from Kaolin Minerals of Different Structural Order. <i>Clays and Clay Minerals</i> , 2011, 59, 116-135.	0.6	41
6	Composites derived from exfoliated Laponite and Mn-Al hydrotalcite prepared in inverse microemulsion: A new strategy for design of robust VOCs combustion catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 211, 46-56.	10.8	38
7	Textural effects in powdered montmorillonite induced by freeze-drying and ultrasound pretreatment. <i>Applied Clay Science</i> , 2006, 32, 64-72.	2.6	34
8	Grafting of methanol in dickite and intercalation of hexylamine. <i>Applied Clay Science</i> , 2012, 56, 63-67.	2.6	34
9	New insight into the preferred valency of interlayer anions in hydrotalcite-like compounds: The effect of Mg/Al ratio. <i>Applied Clay Science</i> , 2018, 155, 84-94.	2.6	33
10	ESR study of vanadium-doped alumina- and titania-pillared montmorillonites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 72, 153-160.	2.3	26
11	Insertion of electrochemically reduced Keggin anions into layered double hydroxides. <i>Journal of Materials Chemistry</i> , 1997, 7, 1937-1939.	6.7	24
12	Effect of Mg Al hydrotalcite crystallinity on catalytic Baeyer-Villiger oxidation of cyclohexanone with H <sub>2</sub> O <sub>2</sub> /acetonitrile. <i>Catalysis Communications</i> , 2018, 107, 48-52.	1.6	19
13	Baeyer-Villiger oxidation of cyclohexanone with H <sub>2</sub> O <sub>2</sub> /acetonitrile over hydrotalcite-like catalysts: Effect of Mg/Al ratio on the $\mu$ -caprolactone yield. <i>Catalysis Communications</i> , 2017, 100, 196-201.	1.6	17
14	Smectite-, silica- and zeolites-bearing raw materials (Hliník nad Hronom bentonite, Slovakia) - A new approach using integrated petrographic and mineralogical studies. <i>Applied Clay Science</i> , 2017, 141, 180-191.	2.6	12
15	VOCs combustion catalysts based on composites of exfoliated organo-Laponite and multimetallic (Mn, Tj ETQq1 1,0,784314 11gBT /Ove	2.2	11
16	Novel Montmorillonite/TiO <sub>2</sub> /MnAl-Mixed Oxide Composites Prepared from Inverse Microemulsions as Combustion Catalysts. <i>Materials</i> , 2017, 10, 1326.	1.3	10
17	Combined H <sub>2</sub> O <sub>2</sub> /nitrile/bicarbonate system for catalytic Baeyer-Villiger oxidation of cyclohexanone to $\mu$ -caprolactone over Mg Al hydrotalcite catalysts. <i>Catalysis Communications</i> , 2019, 132, 105821.	1.6	10
18	Efficient and Versatile Ru/SBA-15 Catalysts for Liquid-Phase Hydrogenation of the C=C and C=O Bonds under Mild Conditions. <i>ChemistrySelect</i> , 2016, 1, 2148-2155.	0.7	8

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19	Rehydration Driven Na-Activation of Bentonite – Evolution of the Clay Structure and Composition. <i>Materials</i> , 2021, 14, 7622.	1.3	7
20	Structural Transformations of Hydrolysates Obtained from Ti-, Zr-, and Ti, Zr-Solutions Used for Clay Pillaring: Towards Understanding of the Mixed Pillars Nature. <i>Materials</i> , 2019, 12, 44.	1.3	4
21	Bentonite from the Central Slovakia Volcanic Field – A Prospective Raw Material for Polish Industry. <i>Mineralogia</i> , 2017, 48, 23-38.	0.4	3
22	Composites of Laponite and Cu-Mn Hopcalite-Related Mixed Oxides Prepared from Inverse Microemulsions as Catalysts for Total Oxidation of Toluene. <i>Materials</i> , 2018, 11, 1365.	1.3	3
23	Influence of Dry Milling on Phase Transformation of Sepiolite upon Alkali Activation: Implications for Textural, Catalytic and Sorptive Properties. <i>Materials</i> , 2020, 13, 3936.	1.3	3
24	Mineralogy and organic geochemistry of phyllite from the Devonian Pokrzywna deposit, the Opava Mountains (SW Poland). <i>Geological Quarterly</i> , 2018, 62, .	0.1	2
25	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part II: Hydration of $\text{Na}_2\text{Si}_2\text{O}_5$ and $\text{Na}_2\text{Si}_2\text{O}_5$ . <i>Mineralogia</i> , 2007, 38, 161-170.	0.4	1
26	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part I: Optimisation of the Synthesis Procedure of $\text{Na}_2\text{Si}_2\text{O}_5$ and $\text{Na}_2\text{Si}_2\text{O}_5$ . <i>Mineralogia</i> , 2007, 38, 151-160.	0.4	1
27	Rehydration Driven Acid Impregnation of Thermally Pretreated Ca-Bentonite – Evolution of the Clay Structure. <i>Materials</i> , 2022, 15, 2067.	1.3	1