

Krzysztof Bahranowski

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Rehydration Driven Acid Impregnation of Thermally Pretreated Ca-Bentonite—Evolution of the Clay Structure. <i>Materials</i> , 2022, 15, 2067.	1.3	1
2	Rehydration Driven Na-Activation of Bentonite—Evolution of the Clay Structure and Composition. <i>Materials</i> , 2021, 14, 7622.	1.3	7
3	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
4	Combined H ₂ O ₂ /nitrile/bicarbonate system for catalytic Baeyer-Villiger oxidation of cyclohexanone to ϵ -caprolactone over Mg Al hydrotalcite catalysts. <i>Catalysis Communications</i> , 2019, 132, 105821.	1.6	10
5	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
6	VOCs combustion catalysts based on composites of exfoliated organo-Laponite and multimetallic (Mn, Ti, Zr, Al, Cu, Ni, Co, Pt) hydroxide/oxide. <i>Applied Clay Science</i> , 2019, 175, 105300.	2.2	11
7	Effect of Mg Al hydrotalcite crystallinity on catalytic Baeyer-Villiger oxidation of cyclohexanone with H ₂ O ₂ /acetonitrile. <i>Catalysis Communications</i> , 2018, 107, 48-52.	1.6	19
8	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
9	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
10	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
11	Smectite-, silica- and zeolites-bearing raw materials (Hliná 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
12	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
13	Baeyer-Villiger oxidation of cyclohexanone with H ₂ O ₂ /acetonitrile over hydrotalcite-like catalysts: Effect of Mg/Al ratio on the ϵ -caprolactone yield. <i>Catalysis Communications</i> , 2017, 100, 196-201.	1.6	17
14	Bentonite from the Central Slovakia Volcanic Field — A Prospective Raw Material for Polish Industry. <i>Mineralogia</i> , 2017, 48, 23-38.	0.4	3
15	Novel Montmorillonite/TiO ₂ /MnAl-Mixed Oxide Composites Prepared from Inverse Microemulsions as Combustion Catalysts. <i>Materials</i> , 2017, 10, 1326.	1.3	10
16	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
17	Grafting of methanol in dickite and intercalation of hexylamine. <i>Applied Clay Science</i> , 2012, 56, 63-67.	2.6	34
18	Synthesis of polylactide/clay composites using structurally different kaolinites and kaolinite nanotubes. <i>Applied Clay Science</i> , 2011, 51, 102-109.	2.6	96

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19	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
20	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
21	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part II: Hydration of $\hat{\Gamma}$ -Na ₂ Si ₂ O ₅ and $\hat{\Gamma}\pm$ -Na ₂ Si ₂ O ₅ . <i>Mineralogia</i> , 2007, 38, 161-170.	0.4	1
22	Layered Sodium Disilicates as Precursors of Mesoporous Silicas. Part I: Optimisation of the Synthesis Procedure of $\hat{\Gamma}$ -Na ₂ Si ₂ O ₅ and $\hat{\Gamma}\pm$ -Na ₂ Si ₂ O ₅ . <i>Mineralogia</i> , 2007, 38, 151-160.	0.4	1
23	Textural effects in powdered montmorillonite induced by freeze-drying and ultrasound pretreatment. <i>Applied Clay Science</i> , 2006, 32, 64-72.	2.6	34
24	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
25	Environmental catalysis by tailored materials derived from layered minerals. <i>Catalysis Today</i> , 2004, 90, 85-92.	2.2	72
26	Insertion of electrochemically reduced Keggin anions into layered double hydroxides. <i>Journal of Materials Chemistry</i> , 1997, 7, 1937-1939.	6.7	24
27	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