

# Janusz Ryczkowski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2638980/publications.pdf>

Version: 2024-02-01

99  
papers

1,645  
citations

393982

19  
h-index

315357

38  
g-index

100  
all docs

100  
docs citations

100  
times ranked

1993  
citing authors

#	ARTICLE	IF	CITATIONS
1	IR spectroscopy in catalysis. <i>Catalysis Today</i> , 2001, 68, 263-381.	2.2	431
2	Structural and physicochemical properties of natural zeolites: clinoptilolite and mordenite. <i>Microporous and Mesoporous Materials</i> , 2006, 87, 243-254.	2.2	275
3	Mössbauer spectroscopy studies of Sn-Pt/Al <sub>2</sub> O <sub>3</sub> catalysts prepared by controlled surface reactions. <i>Applied Catalysis</i> , 1991, 68, 149-159.	1.1	64
4	IR studies of EDTA alkaline salts interaction with the surface of inorganic oxides. <i>Applied Surface Science</i> , 2005, 252, 813-822.	3.1	44
5	Temperature removal of templating agent from MCM-41 silica materials. <i>Thermochimica Acta</i> , 2005, 434, 2-8.	1.2	41
6	Influence of the crystallite size of nickel on the course of the hydrogenolysis of propane and n-butane over Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis</i> , 1986, 26, 47-63.	1.1	36
7	Mesoporous silica materials modified with alumina polycations as catalysts for the synthesis of dimethyl ether from methanol. <i>Materials Research Bulletin</i> , 2016, 74, 425-435.	2.7	36
8	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
9	FT-IR study of the adsorption of some complexones and of EDTA alkaline salts into alumina. <i>Vibrational Spectroscopy</i> , 2000, 22, 55-62.	1.2	32
10	Modification of preparation technique for highly dispersed Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 40, 189-194.	0.6	31
11	Spectroscopic evidences of EDTA interaction with inorganic supports during the preparation of supported metal catalysts. <i>Vibrational Spectroscopy</i> , 2007, 43, 203-209.	1.2	26
12	Influence of organic solvents on interfacial water at surfaces of silica gel and partially silylated fumed silica. <i>Applied Surface Science</i> , 2004, 229, 197-213.	3.1	23
13	Double impregnation-application of a preparation method for well dispersed and high metal loading Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1993, 49, 127-133.	0.6	22
14	Support modification with organic reagents and its influence on the development of metal active surface areas in Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis A: General</i> , 1995, 126, 341-349.	2.2	22
15	Studies of the structure and chemistry of SBA-15 organosilicas functionalized with amine, thiol, vinyl and phenyl groups. <i>Adsorption</i> , 2010, 16, 457-463.	1.4	22
16	Advantages of stainless steel sieves as support for catalytic N <sub>2</sub> O decomposition over K-doped Co <sub>3</sub> O <sub>4</sub> . <i>Catalysis Today</i> , 2015, 257, 2-10.	2.2	22
17	Photocatalytic Reduction of CO <sub>2</sub> Over CdS, ZnS and Core/Shell CdS/ZnS Nanoparticles Deposited on Montmorillonite. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4041-4047.	0.9	21
18	CVD-zirconia on fumed silica and silica gel. <i>Applied Surface Science</i> , 2005, 242, 1-12.	3.1	20

#	ARTICLE	IF	CITATIONS
19	Effect of flash calcined alumina support and potassium doping on the activity of Co-Mo catalysts in sour gas shift process. <i>Applied Catalysis A: General</i> , 2012, 423-424, 114-120.	2.2	20
20	Application of infrared photoacoustic spectroscopy in catalysis. <i>Catalysis Today</i> , 2007, 124, 11-20.	2.2	19
21	Degradability of composites of low density polyethylene/polypropylene blends filled with rape straw. <i>Polymer Degradation and Stability</i> , 2010, 95, 536-542.	2.7	18
22	EDTA interaction with $\gamma$ -alumina. <i>Reaction Kinetics and Catalysis Letters</i> , 1993, 51, 501-506.	0.6	17
23	The influence of promoters on the coking rate of nickel catalysts in the steam reforming of hydrocarbons. <i>Studies in Surface Science and Catalysis</i> , 1998, 119, 711-716.	1.5	15
24	Study of the organic carbon content of silica gel carbonised by pyrolysis of alcohols. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 60, 233-247.	2.6	15
25	Removal of recalcitrant pollutants from wastewater. <i>Applied Surface Science</i> , 2010, 256, 5434-5438.	3.1	14
26	The properties of polymer protective coatings of optical fibers. II. The influence of curing time on adhesion of UV-curable coatings to fused silica surface. <i>Journal of Applied Polymer Science</i> , 1995, 57, 1119-1125.	1.3	13
27	Infrared photoacoustic spectroscopy in catalysis and surface science. <i>Applied Surface Science</i> , 2010, 256, 5545-5550.	3.1	13
28	Influence of the crystallite size of platinum on the course of hydrogenolysis of ethane and propane over Pt/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 40, 145-150.	0.6	12
29	EDTA interaction with $\gamma$ -alumina. <sup>27</sup> Al NMR studies. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 56, 241-246.	0.6	12
30	Synthesis, spectroscopic characterization, and in vitro biological activity of organotin(IV) complexes of (E)-3-(4-methoxyphenyl)-2-phenyl-2-propenoic acid. <i>Heteroatom Chemistry</i> , 2005, 16, 175-183.	0.4	12
31	Sour gas shift process over sulfided Co-Mo-K catalysts supported on carbon material - Support characterization and catalytic activity of catalysts. <i>Fuel Processing Technology</i> , 2015, 138, 305-313.	3.7	12
32	Influence of the crystallite size of platinum on the course of hydrogenolysis and isomerization of n-butane over Pt/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 40, 137-143.	0.6	10
33	FT-IR studies of complexone adsorption on oxide supports. <i>Vibrational Spectroscopy</i> , 1998, 17, 187-191.	1.2	10
34	FT-IR/PAS studies of chelates adsorption on anion exchangers. <i>European Physical Journal: Special Topics</i> , 2008, 154, 339-343.	1.2	9
35	Temperature-programmed desorption mass spectrometry of carbonized silica surface. <i>Carbon</i> , 1999, 37, 1039-1047.	5.4	8
36	Spectroscopic studies of alumina-supported nickel catalysts precursors. <i>Applied Surface Science</i> , 2007, 253, 5910-5913.	3.1	8

#	ARTICLE	IF	CITATIONS
37	Investigations of Chromium(III) and (VI) Ions Sorption in SIR by using Photoacoustic and DRS Methods. Acta Physica Polonica A, 2009, 116, 432-434.	0.2	8
38	Influence of organic reagents on alumina supported nickel catalysts. I. Preparation of catalysts. Reaction Kinetics and Catalysis Letters, 1991, 44, 427-431.	0.6	7
39	Fourier transform infrared and FTIR PAS applications in qualitative analyses of EDTA adsorption on alumina surface. , 1994, 2089, 182.		7
40	A Gradientless Reactor for Kinetic Studies of Catalytic Processes. Adsorption Science and Technology, 1999, 17, 805-811.	1.5	7
41	Ruthenium red interaction with alumina surface – FT-IR/PAS studies. Vibrational Spectroscopy, 2004, 34, 247-252.	1.2	7
42	Speciation of functional groups formed on the surface of carbonaceous materials modified by NO. European Physical Journal Special Topics, 2006, 137, 287-290.	0.2	7
43	Identification of functional groups on the surface of modified organic materials using the FT-IR/PAS method. European Physical Journal: Special Topics, 2008, 154, 325-328.	1.2	7
44	Organic deposits on MCM-41 surface after thermal treatment of as-synthesized samples. European Physical Journal: Special Topics, 2008, 154, 335-338.	1.2	7
45	Sulfur tolerant Co – Mo – K catalysts supported on carbon materials for sour gas shift process – Effect of support modification. Fuel Processing Technology, 2016, 144, 305-311.	3.7	7
46	FT-IR/PAS and SEM EDX Studies on Aluminosilicates Modified by Cs(I), Th(IV) and U(VI). Acta Physica Polonica A, 2009, 116, 312-314.	0.2	7
47	Induction period of coking in the steam reforming of hydrocarbons. Studies in Surface Science and Catalysis, 1994, , 537-542.	1.5	6
48	Hydrogenation of CO <sub>2</sub> over Alkali Metal-Modified Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts. Adsorption Science and Technology, 1998, 16, 759-772.	1.5	6
49	Hydrogenolysis of n-Butane over Ru/Al <sub>2</sub> O <sub>3</sub> Catalysts. Adsorption Science and Technology, 2002, 20, 995-1011.	1.5	6
50	Adsorption of biodegradable chelating compounds on inorganic oxides. Applied Surface Science, 2010, 256, 5449-5452.	3.1	6
51	Photoacoustic infrared spectroscopic studies of silica surface functionalized by dendrimers. Vibrational Spectroscopy, 2019, 103, 102943.	1.2	6
52	The effect of La <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> modifiers on properties of Ni – Al catalysts for LNG prereforming. International Journal of Hydrogen Energy, 2021, 46, 11664-11676.	3.8	6
53	Hydrogenolysis of ethane over Ni/Al <sub>2</sub> O <sub>3</sub> catalysts of high nickel dispersity. Reaction Kinetics and Catalysis Letters, 1986, 32, 129-134.	0.6	5
54	Polymer protective coatings of optical fibres. Vibrational Spectroscopy, 2000, 22, 95-100.	1.2	5

#	ARTICLE	IF	CITATIONS
55	Characterization of activated carbons by FT-IR/PAS and TPD. European Physical Journal Special Topics, 2004, 117, 57-63.	0.2	5
56	Formation of nitrogen structures by ammoxidation of organic materials: FT-IR/PAS studies. European Physical Journal Special Topics, 2005, 129, 225-229.	0.2	5
57	Investigation of platinum(IV) ions sorption on SIRs by using photoacoustic and DRS methods. European Physical Journal: Special Topics, 2008, 154, 373-376.	1.2	5
58	Photoacoustic infrared spectroscopic studies of silica gels with organically functionalized surface. Spectroscopy Letters, 2016, 49, 529-534.	0.5	5
59	Reductive Amination of Acetone on Tin Modified Skeletal Nickel Catalysts. Studies in Surface Science and Catalysis, 1991, 59, 335-342.	1.5	4
60	Infrared analyses of chelates interaction with the alumina surface. , 1994, 2089, 504.		4
61	Spectroscopy in carbon deposits characterization. European Physical Journal Special Topics, 2004, 117, 41-46.	0.2	4
62	Investigation of platinum(IV) ions sorption on some anion exchangers by using photoacoustic and DRS methods. European Physical Journal Special Topics, 2006, 137, 375-379.	0.2	4
63	FT-IR/PAS studies of ethylene-bridged polysilses-quiioxanes functionalized with different groups. European Physical Journal: Special Topics, 2008, 154, 301-304.	1.2	4
64	Tetrachloromethane as an Effective Agent to Transform Nanoparticles of Palladium and Gold in Supported Catalysts. ChemCatChem, 2016, 8, 2625-2629.	1.8	4
65	Fourier transform infrared analyses of NTA interaction with the $\gamma$ -alumina support. , 1994, 2089, 418.		3
66	Infrared photoacoustic spectroscopy - Advantages and disadvantages in surface science and catalysis research. European Physical Journal Special Topics, 2003, 109, 65-71.	0.2	3
67	Recent applications of FT-IR/PAS in surface science. European Physical Journal Special Topics, 2003, 109, 79-88.	0.2	3
68	Surface properties of organo-silicate materials of MCM-41 type with incorporated $C_{18}$ phase. European Physical Journal Special Topics, 2005, 129, 207-211.	0.2	3
69	Thermal stability of chemically bonded phases on silica gel by photoacoustic FT-IR spectroscopy. European Physical Journal Special Topics, 2006, 137, 291-295.	0.2	3
70	FT-IR/PAS of the EDTA adsorbed on alumina with the various surface areas. European Physical Journal: Special Topics, 2008, 154, 351-355.	1.2	3
71	Recent applications of FT-IR/PAS studies in catalysis. European Physical Journal: Special Topics, 2008, 154, 357-361.	1.2	3
72	Infrared photoacoustic spectroscopy as an alternative tool for the analysis of surface-modified glycidyl-based polymeric microspheres. Polymer Testing, 2019, 76, 173-180.	2.3	3

#	ARTICLE	IF	CITATIONS
73	FT-IR/PAS Studies of Lunar Regolith Samples. Acta Physica Polonica A, 2008, 114, A-163-A-168.	0.2	3
74	Influence of organic reagents on nickel alumina supported catalysts. II. hydrogenolysis of n-butane. Reaction Kinetics and Catalysis Letters, 1991, 44, 433-437.	0.6	2
75	In situ measurements of the influence of temperature on the decomposition of H <sub>2</sub> Na <sub>2</sub> EDTA adsorbed on alumina. Vibrational Spectroscopy, 2000, 22, 163-167.	1.2	2
76	FT-IR/PAS characteristic of the Ni-NiO/Al <sub>2</sub> O <sub>3</sub> catalyst. European Physical Journal Special Topics, 2006, 137, 325-329.	0.2	2
77	Methane coupling. Applied Catalysis A: General, 1994, 119, N20-N21.	2.2	1
78	FT-IR/PAS in analysis of CD discs. European Physical Journal Special Topics, 2004, 117, 65-72.	0.2	1
79	Photoacoustic infrared analysis of nickel catalysts precursors. European Physical Journal Special Topics, 2006, 137, 321-324.	0.2	1
80	FT-IR/PAS applications for the structure studies of selected polymers. European Physical Journal: Special Topics, 2008, 154, 369-372.	1.2	1
81	Investigation of surface properties of lunar regolith - Part IV. Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia", 2008, 63, .	0.2	1
82	Scientific co-operation with professor Borowiecki. Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia", 2010, 65, .	0.2	1
83	Phenol and methylene blue photodegradation over Ti/SBA-15 materials under uv light. Polish Journal of Chemical Technology, 2016, 18, 30-38.	0.3	1
84	The study on alkali-promoted Co-Mo/Al <sub>2</sub> O <sub>3</sub> catalysts for water-gas shift process. Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia", 2010, 65, .	0.2	1
85	Qualitative Analyses of Iminodiacetic (IDA) and Nitrilotriacetic (NTA) Acids on Alumina by FT-IR. , 1997, , 227-228.		1
86	FT-IR Investigation of Hydroxy-Acid Adsorption on an Alumina Surface. , 1997, , 229-231.		1
87	Annual meeting of the polish chemical society, Warsaw, 12-15 September 1994. Applied Catalysis A: General, 1994, 118, N19-N20.	2.2	0
88	Kata-List. Applied Catalysis A: General, 1994, 115, N6-N7.	2.2	0
89	Recent Polish Articles. Applied Catalysis A: General, 1994, 115, N7.	2.2	0
90	Recent polish articles. Applied Catalysis A: General, 1994, 111, N23.	2.2	0

#	ARTICLE	IF	CITATIONS
91	First polish national congress on technology. Applied Catalysis A: General, 1994, 119, N22-N23.	2.2	0
92	Hydroformylation catalysts. Applied Catalysis A: General, 1995, 125, N8-N9.	2.2	0
93	Some recent publications. Applied Catalysis A: General, 1995, 127, N5-N6.	2.2	0
94	Some recent Polish papers. Applied Catalysis A: General, 1996, 141, N3-N4.	2.2	0
95	Catalytic activation and functionalisation of light alkanes. Applied Catalysis A: General, 1997, 156, N9-N11.	2.2	0
96	Polish Symposium on Infrared in Catalysis. Applied Catalysis A: General, 1998, 167, N7.	2.2	0
97	The influence of the copolymerization conditions on the polymer structure. FT-IR/PAS studies. European Physical Journal Special Topics, 2006, 137, 357-361.	0.2	0
98	Scientific co-operation with professor Nazimek. Annales Universitatis Mariae Curie-Sklodowska Sectio AA "Chemia, 2011, 66, .	0.2	0
99	The 65th Birthday of Professor Dobiesław Nazimek. Annales Universitatis Mariae Curie-Sklodowska Sectio AA "Chemia, 2011, 66, 1-3.	0.2	0