

Ryszard J Kalenczuk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8833246/publications.pdf>

Version: 2024-02-01

96
papers

3,249
citations

159585

30
h-index

155660

55
g-index

96
all docs

96
docs citations

96
times ranked

5064
citing authors

#	ARTICLE	IF	CITATIONS
1	OD, 1D, 2D molybdenum disulfide functionalized by 2D polymeric carbon nitride for photocatalytic water splitting. <i>Nanotechnology</i> , 2021, 32, 355703.	2.6	4
2	Physicochemical and photocatalytic characterization of mesoporous carbon/titanium dioxide spheres. <i>Diamond and Related Materials</i> , 2020, 101, 107551.	3.9	20
3	Synthesis and Characterization of Nitrogen-doped Carbon Nanotubes Derived from g-C ₃ N ₄ . <i>Materials</i> , 2020, 13, 1349.	2.9	58
4	Direct conversion of biomass to nanoporous activated biocarbons for high CO ₂ adsorption and supercapacitor applications. <i>Applied Surface Science</i> , 2019, 497, 143722.	6.1	130
5	Core/Shell Structure of Mesoporous Carbon Spheres and g-C ₃ N ₄ for Acid Red 18 Decolorization. <i>Catalysts</i> , 2019, 9, 1007.	3.5	8
6	Graphitic Carbon Nitride and Titanium Dioxide Modified with 1â€‰%D and 2â€‰%D Carbon Structures for Photocatalysis. <i>ChemSusChem</i> , 2019, 12, 612-620.	6.8	31
7	Biomass-derived robust three-dimensional porous carbon for high volumetric performance supercapacitors. <i>Journal of Power Sources</i> , 2019, 412, 1-9.	7.8	150
8	A Comparison of Hydrogen Storage in Pt, Pd and Pt/Pd Alloys Loaded Disordered Mesoporous Hollow Carbon Spheres. <i>Nanomaterials</i> , 2018, 8, 639.	4.1	22
9	Mechanism of <i>M</i> nanoparticles/CNTs for catalytic carbonization of polyethylene and application to flame retardancy. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45233.	2.6	12
10	Porous nanopeapod Pd catalyst with excellent stability and efficiency. <i>Chemical Communications</i> , 2017, 53, 740-742.	4.1	10
11	Facile synthesis of porous iron oxide/graphene hybrid nanocomposites and potential application in electrochemical energy storage. <i>New Journal of Chemistry</i> , 2017, 41, 13553-13559.	2.8	21
12	PANI/NaTaO ₃ composite photocatalyst for enhanced hydrogen generation under UV light irradiation. <i>Polish Journal of Chemical Technology</i> , 2017, 19, 115-119.	0.5	3
13	Effect of Pd loading on hydrogen storage properties of disordered mesoporous hollow carbon spheres. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30461-30469.	7.1	23
14	Graphene-based electrochemical biosensing system for medical diagnostics. , 2017, , .		1
15	Pd supported ordered mesoporous hollow carbon spheres (OMHCS) for hydrogen storage. <i>Chemical Physics Letters</i> , 2016, 647, 14-19.	2.6	36
16	Nanocomposite of cement/graphene oxide â€œ Impact on hydration kinetics and Youngâ€™s modulus. <i>Construction and Building Materials</i> , 2015, 78, 234-242.	7.2	168
17	Carbon nanotubes decorated by mesoporous cobalt oxide as electrode material for lithium-ion batteries. <i>Chemical Physics Letters</i> , 2015, 635, 185-189.	2.6	21
18	Creation of mesopores in carbon nanotubes with improved capacities for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25071-25075.	2.8	3

#	ARTICLE	IF	CITATIONS
19	Antibacterial performance of nanocrystallined titania confined in mesoporous silica nanotubes. <i>Biomedical Microdevices</i> , 2014, 16, 449-458.	2.8	15
20	Selective oxidation of metallic single-walled carbon nanotubes. <i>Chemical Papers</i> , 2013, 67, .	2.2	4
21	In situ deposition of Pd nanoparticles with controllable diameters in hollow carbon spheres for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16179-16184.	7.1	33
22	Preparation, characterization and photocatalytic activity of Co ₃ O ₄ /LiNbO ₃ composite. <i>Open Chemistry</i> , 2013, 11, 920-926.	1.9	5
23	Nanoconfinement Induced Formation of Core/Shell Structured Mesoporous Carbon Spheres Coated with Solid Carbon Shell. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3042-3047.	8.0	15
24	Facile synthesis of hollow silica spheres with nanoholes. <i>Dalton Transactions</i> , 2013, 42, 6381.	3.3	7
25	Synthesis and Characterization of K-Ta Mixed Oxides for Hydrogen Generation in Photocatalysis. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	2.5	7
26	New synthesis method of sword-sheath structured carbon nanotubes. , 2012, , .		1
27	New easy way preparation of core/shell structured SnO ₂ @carbon spheres and application for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 216, 475-481.	7.8	38
28	Template method synthesis of mesoporous carbon spheres and its applications as supercapacitors. <i>Nanoscale Research Letters</i> , 2012, 7, 269.	5.7	32
29	Magnetic Silica Nanotubes: Synthesis, Drug Release, and Feasibility for Magnetic Hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2303-2309.	8.0	61
30	CVD generated mesoporous hollow carbon spheres as supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 246-250.	4.7	68
31	Synthesis, dispersion, and cytocompatibility of graphene oxide and reduced graphene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 79-85.	5.0	354
32	Synthesis, characterization and photocatalytic properties of lithium tantalate. <i>Materials Characterization</i> , 2012, 68, 71-76.	4.4	21
33	Surfactant free fractions of metallic and semiconducting single-walled carbon nanotubes via optimised gel chromatography. <i>Materials Research Bulletin</i> , 2012, 47, 687-691.	5.2	11
34	Photocatalytic performance of titania nanospheres deposited on graphene in coumarin oxidation reaction. <i>Materials Science-Poland</i> , 2012, 30, 32-38.	1.0	23
35	Synthesis and photocatalytic performance of TiO ₂ nanospheres@graphene nanocomposite under visible and UV light irradiation. <i>Journal of Materials Science</i> , 2012, 47, 3185-3190.	3.7	56
36	Synthesis, Growth Mechanism, and Electrochemical Properties of Hollow Mesoporous Carbon Spheres with Controlled Diameter. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17717-17724.	3.1	125

#	ARTICLE	IF	CITATIONS
37	Catalyst-free synthesis, morphology evaluation and photocatalytic properties of pristine and calcinated titanate nanorods. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5414-5419.	5.5	7
38	Single-walled carbon nanotubes fractionation via electrophoresis. <i>Polish Journal of Chemical Technology</i> , 2011, 13, 1-4.	0.5	3
39	Gel-based separation of single-walled carbon nanotubes for metallic and semiconducting fractions. <i>Materials Research Bulletin</i> , 2011, 46, 1535-1539.	5.2	6
40	Systematic study on synthesis and purification of double-walled carbon nanotubes synthesized via CVD. <i>Materials Science-Poland</i> , 2011, 29, 292-298.	1.0	2
41	Synthesis and characterization of iron-filled multi-walled nanotubes. <i>Materials Science-Poland</i> , 2011, 29, 299-304.	1.0	5
42	Separation of surfactant functionalized single-walled carbon nanotubes via free solution electrophoresis method. <i>Open Physics</i> , 2011, 9, 325-329.	1.7	3
43	Synthesis, characterization, and photocatalytic properties of core/shell mesoporous silica nanospheres supporting nanocrystalline titania. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5899-5908.	1.9	48
44	Purification and fractionation of single-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5769-5780.	1.9	4
45	Novel method controlled synthesis of silica coated carbon nanotubes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 462-465.	1.8	1
46	Carbon Nanotube Based Stimuli Responsive Controlled Release System. <i>Chemistry - A European Journal</i> , 2011, 17, 4454-4459.	3.3	28
47	Fabrication method of parallel mesoporous carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 150-155.	4.7	10
48	Preparation, characterization and photocatalytic activity of metal-loaded NaNbO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 117-123.	4.0	41
49	Effect of time on the metal-support (Fe-MgO) interaction in CVD synthesis of single-walled carbon nanotubes. <i>Chemical Papers</i> , 2010, 64, .	2.2	4
50	Cisplatin filled multiwalled carbon nanotubes – a novel molecular hybrid of anticancer drug container. <i>European Physical Journal B</i> , 2010, 75, 141-146.	1.5	33
51	On the efficiency of bile salt for stable suspension and isolation of "single-walled carbon nanotubes" spectroscopic and microscopic investigations. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 505-510.	2.3	10
52	Oxidation and reduction of multiwalled carbon nanotubes – preparation and characterization. <i>Materials Characterization</i> , 2010, 61, 185-191.	4.4	220
53	Enhancement of the structure stability of MOF-5 confined to multiwalled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2664-2668.	1.5	31
54	Synthesis of carbon nanotubes via chemical vapor deposition by using rareearth metals as catalysts. <i>Polish Journal of Chemical Technology</i> , 2010, 12, 29-32.	0.5	6

#	ARTICLE	IF	CITATIONS
55	Comparison of NaNbO_3 and NaTaO_3 as the photocatalysts in the reaction of hydrogen generation. Polish Journal of Chemical Technology, 2010, 12, 33-35.	0.5	1
56	Tuning Carbon Nanotubes Through Poor Metal Addition to Iron Catalysts in CVD. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 37-44.	2.1	6
57	Enhancement of thermal stability of multiwalled carbon nanotubes via different silanization routes. Journal of Alloys and Compounds, 2010, 500, 117-124.	5.5	32
58	Photocatalytic hydrogen generation over alkaline-earth titanates in the presence of electron donors. International Journal of Hydrogen Energy, 2008, 33, 1797-1802.	7.1	112
59	<i>in situ</i> observations of carbon nanotube generation in CVD cell coupled to spectrometers. Physica Status Solidi (B): Basic Research, 2008, 245, 1931-1934.	1.5	4
60	Modifying CVD synthesised carbon nanotubes via the carbon feed rate. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2227-2230.	2.7	17
61	Comparative study on purity evaluation of singlewall carbon nanotubes. Energy Conversion and Management, 2008, 49, 2490-2493.	9.2	2
62	Iron filled carbon nanostructures from different precursors. Energy Conversion and Management, 2008, 49, 2483-2486.	9.2	13
63	Purification, Dispersion and Biofunctionalization of Singlewall Carbon Nanotubes. Advances in Science and Technology, 2008, 57, 44-49.	0.2	1
64	Advances in engineering of diameter and distribution of the number of walls of carbon nanotubes in alcohol CVD. Nanotechnology, 2008, 19, 365605.	2.6	17
65	Photocatalytic hydrogen generation over alkali niobates in the presence of organic compounds. Polish Journal of Chemical Technology, 2008, 10, 1-3.	0.5	9
66	Facilitating the CVD synthesis of seamless double-walled carbon nanotubes. Nanotechnology, 2007, 18, 275610.	2.6	26
67	Catalyst size dependencies for carbon nanotube synthesis. Physica Status Solidi (B): Basic Research, 2007, 244, 3911-3915.	1.5	35
68	Influence of the substrate loading on the quality and diameter distribution of SWCNT in alcohol CVD. Physica Status Solidi (B): Basic Research, 2007, 244, 3925-3929.	1.5	11
69	Filling of carbon nanotubes for bioapplications. Physica Status Solidi (B): Basic Research, 2007, 244, 4315-4318.	1.5	38
70	A nanoscaled contactless thermometer for biological systems. Physica Status Solidi (B): Basic Research, 2007, 244, 4092-4096.	1.5	13
71	Oxide-Driven Carbon Nanotube Growth in Supported Catalyst CVD. Journal of the American Chemical Society, 2007, 129, 15772-15773.	13.7	91
72	Silver filled single-wall carbon nanotubes synthesis, structural and electronic properties. Nanotechnology, 2006, 17, 2415-2419.	2.6	47

#	ARTICLE	IF	CITATIONS
73	Study on hydrogen uptake of functionalized carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3226-3229.	1.5	7
74	Iron filled singlewalled carbon nanotubes – synthesis and characteristic properties. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3277-3280.	1.5	10
75	Surface enhanced Raman spectroscopy of flat and curved carbon cluster. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3142-3145.	1.5	2
76	Iron filled single-wall carbon nanotubes – A novel ferromagnetic medium. <i>Chemical Physics Letters</i> , 2006, 421, 129-133.	2.6	130
77	Bulk quantity and physical properties of boron nitride nanocapsules with a narrow size distribution. <i>Carbon</i> , 2005, 43, 615-621.	10.3	9
78	On the formation process of silicon carbide nanophases via hydrogenated thermally induced templated synthesis. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 1653-1656.	2.3	15
79	Formation of novel nanostructures using carbon nanotubes as a frame. <i>Synthetic Metals</i> , 2005, 153, 345-348.	3.9	19
80	Modification of SiC based nanorods via a hydrogenated annealing process. <i>Synthetic Metals</i> , 2005, 153, 349-352.	3.9	7
81	Thermally Induced Templated Synthesis for the Formation of SiC Nanotubes and more. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
82	Synthesis and electronic properties of B-doped single wall carbon nanotubes. <i>Carbon</i> , 2004, 42, 1123-1126.	10.3	81
83	The pH influence on photocatalytic decomposition of organic dyes over A11 and P25 titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2003, 45, 293-300.	20.2	59
84	Efficient production of B-substituted single-wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2003, 378, 516-520.	2.6	95
85	On the distribution of aluminium and magnesium oxides in wustite catalysts for ammonia synthesis. <i>Applied Catalysis A: General</i> , 2003, 247, 9-15.	4.3	17
86	Exfoliated Graphite as a New Sorbent for Removal of Engine Oils from Wastewater. <i>Spill Science and Technology Bulletin</i> , 2003, 8, 569-571.	0.4	49
87	Reduced diameter distribution of single-wall carbon nanotubes by selective oxidation. <i>Chemical Physics Letters</i> , 2002, 363, 567-572.	2.6	93
88	Cobalt promoted fused iron catalyst for ammonia synthesis. <i>Solid State Sciences</i> , 2000, 2, 233-239.	0.7	13
89	Studies of Exfoliated Graphite (EG) for Heavy Oil Sorption. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 113-119.	0.3	38
90	Poly(ethylene terephthalate) as a source for activated carbon. <i>Polymers for Advanced Technologies</i> , 1999, 10, 588-595.	3.2	20

#	ARTICLE	IF	CITATIONS
91	A new preparation method of catalyst for ammonia synthesis. Applied Catalysis A: General, 1997, 156, 19-27.	4.3	4
92	The effect of cobalt on the activation of fused iron catalyst for ammonia synthesis. Journal of Chemical Technology and Biotechnology, 1995, 64, 398-406.	3.2	4
93	The effect of cobalt on the reactants adsorption and activity of fused iron catalyst for ammonia synthesis. Catalysis Letters, 1995, 33, 255-268.	2.6	5
94	Effect of cobalt on the morphology and activity of fused iron catalyst for ammonia synthesis. Applied Catalysis A: General, 1994, 112, 149-160.	4.3	14
95	Study on the properties of iron-cobalt alumina supported catalyst for ammonia. Journal of Chemical Technology and Biotechnology, 1994, 59, 73-81.	3.2	15
96	The effect of cobalt on the activity of iron catalyst supported on magnesium hydroxide carbonate (MHC) in the ammonia synthesis. Journal of Chemical Technology and Biotechnology, 1992, 54, 349-357.	3.2	9