

Dariusz Moszyński

List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

3060
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the DLC film “ Polyamide 12 substrate interrelation during pulsed laser deposition. <i>Applied Surface Science</i> , 2022, 576, 151872.	3.1	6
2	Thermal Stability of Potassium-Promoted Cobalt Molybdenum Nitride Catalysts for Ammonia Synthesis. <i>Catalysts</i> , 2022, 12, 100.	1.6	5
3	Suppressing Ni/Li disordering in LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ cathode material for Li-ion batteries by rare earth element doping. <i>Energy Reports</i> , 2022, 8, 3995-4005.	2.5	22
4	Nitriding and Denitriding of Nanocrystalline Iron System with Bimodal Crystallite Size Distribution. <i>Materials</i> , 2022, 15, 143.	1.3	0
5	Effect of substrate bias on the properties of DLC films created using a combined vacuum arc. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	5
6	Synthesis of Selected Mixed Oxide Materials with Tailored Photocatalytic Activity in the Degradation of Tetracycline. <i>Materials</i> , 2021, 14, 5361.	1.3	10
7	A comprehensive method for tetracycline removal using lanthanum-enriched titania-zirconia oxide system with tailored physicochemical properties. <i>Environmental Technology and Innovation</i> , 2021, 24, 102016.	3.0	16
8	Influence of rGO and Preparation Method on the Physicochemical and Photocatalytic Properties of TiO ₂ /Reduced Graphene Oxide Photocatalysts. <i>Catalysts</i> , 2021, 11, 1333.	1.6	8
9	The performance of multicomponent oxide systems based on TiO ₂ , ZrO ₂ and SiO ₂ in the photocatalytic degradation of Rhodamine B: Mechanism and kinetic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124272.	2.3	42
10	Effect of copper salts on the characteristics and antibacterial activity of Cu-modified titanate nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104550.	3.3	9
11	Lignin-based dual component additives as effective electrode material for energy management systems. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 268-278.	3.6	4
12	Crystallization of TiO ₂ -MoS ₂ Hybrid Material under Hydrothermal Treatment and Its Electrochemical Performance. <i>Materials</i> , 2020, 13, 2706.	1.3	8
13	Laccase from <i>Trametes versicolor</i> supported onto mesoporous Al ₂ O ₃ : Stability tests and evaluations of catalytic activity. <i>Process Biochemistry</i> , 2020, 95, 71-80.	1.8	20
14	Surface Studies of UV Irradiated Polypropylene Films Modified with Mineral Fillers Designed as Piezoelectric Materials. <i>Polymers</i> , 2020, 12, 562.	2.0	9
15	Synergistic Interaction of Cerium and Barium-New Insight into the Promotion Effect in Cobalt Systems for Ammonia Synthesis. <i>Catalysts</i> , 2020, 10, 658.	1.6	18
16	Highly Crystalline TiO ₂ -MoO ₃ Composite Materials Synthesized via a Template-Assisted Microwave Method for Electrochemical Application. <i>Crystals</i> , 2020, 10, 493.	1.0	18
17	Different Approaches to Oxygen Functionalization of Multi-Walled Carbon Nanotubes and Their Effect on Mechanical and Thermal Properties of Polyamide 12 Based Composites. <i>Polymers</i> , 2020, 12, 308.	2.0	22
18	Nanocomposite Titania-Carbon Spheres as CO ₂ and CH ₄ Sorbents. <i>ACS Omega</i> , 2020, 5, 1966-1973.	1.6	7

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19	Tuning the catalytic performance of Co/Mg-La system for ammonia synthesis via the active phase precursor introduction method. <i>Applied Catalysis A: General</i> , 2020, 598, 117553.	2.2	23
20	Domieszkowane katalizatory kobaltowo-molibdenowe do syntezy amoniaku. <i>Przemysł Chemiczny</i> , 2020, 1, 48-52.	0.0	1
21	Surface enrichment phenomenon in the Ba-doped cobalt catalyst for ammonia synthesis. <i>Vacuum</i> , 2019, 168, 108831.	1.6	15
22	XPS and FTIR Studies of Polytetrafluoroethylene Thin Films Obtained by Physical Methods. <i>Polymers</i> , 2019, 11, 1629.	2.0	71
23	Carbon Spheres as CO ₂ Sorbents. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3349.	1.3	26
24	Chemical Structure of EVA Films Obtained by Pulsed Electron Beam and Pulse Laser Ablation. <i>Polymers</i> , 2019, 11, 1419.	2.0	9
25	Influence of Preparation Procedure on Physicochemical and Antibacterial Properties of Titanate Nanotubes Modified with Silver. <i>Nanomaterials</i> , 2019, 9, 795.	1.9	21
26	Robust biodegradation of naproxen and diclofenac by laccase immobilized using electrospun nanofibers with enhanced stability and reusability. <i>Materials Science and Engineering C</i> , 2019, 103, 109789.	3.8	81
27	Chromium-modified cobalt molybdenum nitrides as catalysts for ammonia synthesis. <i>Open Chemistry</i> , 2019, 17, 127-131.	1.0	3
28	Carminic Acid Stabilized with Aluminum-Magnesium Hydroxycarbonate as New Colorant Reducing Flammability of Polymer Composites. <i>Molecules</i> , 2019, 24, 560.	1.7	10
29	Thermal stability of catalyst for ammonia synthesis based on cobalt molybdenum nitrides. <i>Chemical Papers</i> , 2019, 73, 851-859.	1.0	15
30	Characterization and properties of new color-tunable hybrid pigments based on layered double hydroxides (LDH) and 1,2-dihydroxyanthraquinone dye. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 427-438.	2.9	29
31	Cobalt molybdenum nitrides co-promoted by chromium and potassium as catalysts for ammonia synthesis. <i>Chemical Papers</i> , 2018, 72, 425-430.	1.0	9
32	Hierarchical porous carbon materials from nanosized metal-organic complex for high-performance symmetrical supercapacitor. <i>Electrochimica Acta</i> , 2018, 269, 580-589.	2.6	47
33	Surface characteristics of KOH-treated commercial carbons applied for CO ₂ adsorption. <i>Adsorption Science and Technology</i> , 2018, 36, 478-492.	1.5	37
34	Facile synthesis N-doped hollow carbon spheres from spherical solid silica. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 203-208.	5.0	16
35	An Active Anode Material Based on Titania and Zinc Oxide Hybrids Fabricated via a Hydrothermal Route: Comprehensive Physicochemical and Electrochemical Evaluations. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3056-A3066.	1.3	3
36	A Comparison of Hydrogen Storage in Pt, Pd and Pt/Pd Alloys Loaded Disordered Mesoporous Hollow Carbon Spheres. <i>Nanomaterials</i> , 2018, 8, 639.	1.9	22

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37	Assessment of the Suitability of the One-Step Hydrothermal Method for Preparation of Non-Covalently/Covalently-Bonded TiO ₂ /Graphene-Based Hybrids. <i>Nanomaterials</i> , 2018, 8, 647.	1.9	12
38	XPS study of cobalt-ceria catalysts for ammonia synthesis – The reduction process. <i>Vacuum</i> , 2018, 155, 434-438.	1.6	30
39	Ammonolysis of Cobalt Molybdenum Oxides - In Situ XRD Study. <i>Inorganic Chemistry</i> , 2018, 57, 9844-9850.	1.9	16
40	Catalyst-free activation of kraft lignin in air using hydrogen sulfate ionic liquids. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 431-437.	3.6	21
41	Adsorption of anionic azo-dyes from aqueous solutions onto graphene oxide: Equilibrium, kinetic and thermodynamic studies. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 188-200.	5.0	331
42	Magnetite nanoparticles conjugated with lignin: A physicochemical and magnetic study. <i>Applied Surface Science</i> , 2017, 422, 94-103.	3.1	28
43	Lipase B from <i>Candida antarctica</i> Immobilized on a Silica-Lignin Matrix as a Stable and Reusable Biocatalytic System. <i>Catalysts</i> , 2017, 7, 14.	1.6	36
44	Spongin-Based Scaffolds from <i>Hippospongia communis</i> Demosponge as an Effective Support for Lipase Immobilization. <i>Catalysts</i> , 2017, 7, 147.	1.6	35
45	<i>Candida antarctica</i> Lipase B Immobilized onto Chitin Conjugated with POSS® Compounds: Useful Tool for Rapeseed Oil Conversion. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1581.	1.8	13
46	Synthesis and antibacterial properties of Fe ₃ O ₄ -Ag nanostructures. <i>Polish Journal of Chemical Technology</i> , 2016, 18, 110-116.	0.3	19
47	Structure and magnetic properties of chromium doped cobalt molybdenum nitrides. <i>Journal of Solid State Chemistry</i> , 2016, 241, 205-211.	1.4	5
48	Surface properties of poly(lactic acid)/polyacrylate semi-interpenetrating networks – Effect of UVC radiation. <i>Polymer Degradation and Stability</i> , 2016, 131, 71-81.	2.7	6
49	Aqueous processable WO ₃ nanocrystals with solution tunable localized surface plasmon resonance. <i>RSC Advances</i> , 2016, 6, 59050-59054.	1.7	17
50	Effect of treating method on the physicochemical properties of amine-functionalized carbon nanotubes. <i>International Journal of Materials Research</i> , 2016, 107, 35-43.	0.1	7
51	Selective Introduction of Hydroxyl Groups Onto the Surface of Carbon Nanotubes via Chlorination and Hydrolytic Dechlorination. <i>Science of Advanced Materials</i> , 2016, 8, 1208-1215.	0.1	1
52	Effect of a Barium Promoter on the Stability and Activity of Carbon-Supported Cobalt Catalysts for Ammonia Synthesis. <i>ChemCatChem</i> , 2015, 7, 2836-2839.	1.8	20
53	Chitin-Lignin Material as a Novel Matrix for Enzyme Immobilization. <i>Marine Drugs</i> , 2015, 13, 2424-2446.	2.2	70
54	Palladium nanoparticles deposited on graphene and its electrochemical performance for glucose sensing. <i>Applied Surface Science</i> , 2015, 355, 587-592.	3.1	36

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55	Nitrogen-doped, metal-modified rutile titanium dioxide as photocatalysts for water remediation. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 310-318.	10.8	57
56	Cobalt-molybdenum catalysts doped with cesium for ammonia synthesis Katalizatory kobaltowo-molibdenowe domieszkowane cezem do syntezy amoniaku. <i>Przemysł Chemiczny</i> , 2015, 1, 189-193.	0.0	3
57	TiO ₂ Supported on Quartz Wool for Photocatalytic Oxidation of Hydrogen Sulphide. <i>Adsorption Science and Technology</i> , 2014, 32, 765-773.	1.5	10
58	Preparation, characterization and charge transfer studies of nickel ²⁺ modified and nickel, nitrogen co-modified rutile titanium dioxide for photocatalytic application. <i>Chemical Engineering Journal</i> , 2014, 239, 149-157.	6.6	20
59	Nitriding of Nanocrystalline Iron in the Atmospheres with Variable Nitriding Potential. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15440-15447.	1.5	19
60	Modification of Chitin with Kraft Lignin and Development of New Biosorbents for Removal of Cadmium(II) and Nickel(II) Ions. <i>Marine Drugs</i> , 2014, 12, 2245-2268.	2.2	124
61	Controlled phase composition of mixed cobalt molybdenum nitrides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 449-452.	1.7	9
62	On competitive uptake of SO ₂ and CO ₂ from air by porous carbon containing CaO and MgO. <i>Chemical Engineering Journal</i> , 2013, 226, 348-356.	6.6	34
63	Influence of crystallites' size on iron nitriding and reduction of iron nitrides in nanocrystalline Fe ²⁺ /N system. <i>Materials Chemistry and Physics</i> , 2013, 141, 674-679.	2.0	23
64	Preparation of photoactive nitrogen-doped rutile. <i>Applied Surface Science</i> , 2013, 266, 410-419.	3.1	25
65	Chlorination of Carbon Nanotubes Obtained on the Different Metal Catalysts. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	1.5	17
66	The transformation of Fe ²⁺ into Fe ³⁺ in nanocrystalline Fe ²⁺ /N system: Influence of Gibbs-Thomson effect. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	19
67	Simultaneous purification and functionalization of carbon nanotubes using chlorination. <i>Journal of Materials Research</i> , 2012, 27, 2368-2374.	1.2	24
68	Association of the IL1RN Gene VNTR Polymorphism with Human Male Infertility. <i>PLoS ONE</i> , 2012, 7, e51899.	1.1	16
69	Low temperature removal of SO ₂ traces from air by MgO-loaded porous carbons. <i>Chemical Engineering Journal</i> , 2012, 191, 147-153.	6.6	26
70	Iron nitriding and reduction of iron nitrides in nanocrystalline Fe ²⁺ /N system. <i>Materials Letters</i> , 2012, 78, 32-34.	1.3	28
71	Magnetic properties of ZnFe ₂ O ₄ nanoparticles. <i>Open Physics</i> , 2012, 10, .	0.8	7
72	Photocatalytic generation of useful hydrocarbons and hydrogen from acetic acid in the presence of lanthanide modified TiO ₂ . <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6529-6537.	3.8	45

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73	Effect of Cobalt on the Activity of CuO/CeO ₂ Catalyst for the Selective Oxidation of CO. Catalysis Letters, 2010, 134, 196-203.	1.4	19
74	DTA/TG, IR, EPR and XPS studies of some praseodymium(III) tungstates. Materials Chemistry and Physics, 2010, 124, 646-651.	2.0	33
75	Studies on nitrogen modified TiO ₂ photocatalyst prepared in different conditions. Materials Research Bulletin, 2010, 45, 1085-1091.	2.7	24
76	Surface and catalytic properties of potassium-modified cobalt molybdenum catalysts for ammonia synthesis. Applied Surface Science, 2010, 256, 5581-5584.	3.1	24
77	Magnetic study of Fe ₂ O ₃ /ZnO nanocomposites. Physica B: Condensed Matter, 2010, 405, 4054-4058.	1.3	17
78	ZnFe ₂ O ₄ /ZnO nanoparticles obtained by coprecipitation route, XPS and TEM study. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1420-1423.	0.8	16
79	Kinetics of nanocrystalline iron nitriding. Polish Journal of Chemical Technology, 2010, 12, 38-43.	0.3	15
80	Utilization of spent iron catalyst for ammonia synthesis. Polish Journal of Chemical Technology, 2007, 9, 108-113.	0.3	1
81	Poisoning of iron catalyst by sulfur. Catalysis Today, 2007, 124, 43-48.	2.2	35
82	Thermal diffusion of potassium on the modified iron surface. Applied Surface Science, 2005, 252, 833-838.	3.1	1
83	Reactivity of oxidized copper surfaces in methanol oxidation. Journal of Catalysis, 2005, 235, 359-367.	3.1	23
84	Electron-induced ammonia adsorption on iron. Journal of Electron Spectroscopy and Related Phenomena, 2003, 128, 215-221.	0.8	2
85	The surface analysis method bridging the pressure gap. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 208, 277-281.	2.3	0
86	Role of sulphur in carburization, carbide formation and metal dusting of iron. Surface and Interface Analysis, 2002, 34, 369-374.	0.8	46
87	Effect of sulphur on the formation of graphite at the surface of carburized iron. Surface and Interface Analysis, 2002, 34, 380-383.	0.8	14
88	The comparison of the different adsorption states of non-metals on the iron surface. Vacuum, 1999, 54, 3-7.	1.6	10
89	Influence of potassium/oxygen layer on properties of iron surfaces. Applied Catalysis A: General, 1999, 182, 379-384.	2.2	15
90	Double-Layer Model of the Fused Iron Catalyst for Ammonia Synthesis. Langmuir, 1999, 15, 5785-5789.	1.6	50

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91	Separation of the bulk and surface components in Auger electron spectroscopy. Applied Surface Science, 1998, 135, 59-64.	3.1	2
92	Chlorine as a poison of the fused iron catalyst for ammonia synthesis. Applied Catalysis A: General, 1996, 134, 331-338.	2.2	8