

Piotr Krawczyk

List of Publications by Year in descending order

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51
papers

821
citations

586496

16
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620720

26
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54
all docs

54
docs citations

54
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Ozonation with amoxidation as a method of obtaining O, N-doped carbon electrode material to electrochemical capacitors. <i>Electrochimica Acta</i> , 2022, 413, 140130.	2.6	6
2	Design and Microwave-Assisted Synthesis of TiO ₂ -Lanthanides Systems and Evaluation of Photocatalytic Activity under UV-LED Light Irradiation. <i>Catalysts</i> , 2022, 12, 8.	1.6	8
3	Synthesis and characterization of electrochemically-oxidized amine-functionalized graphite framework materials. <i>Carbon</i> , 2021, 176, 327-338.	5.4	6
4	Titanium-peroxy and peroxide complex functionalities on Ti-6Al-4V alloy effected by modification with active radicals. <i>Chemical Engineering Science</i> , 2021, 237, 116543.	1.9	0
5	Methanol electrooxidation at NiCl ₂ •FeCl ₃ graphite intercalation compound affected by ozone treatment. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 157, 110223.	1.9	2
6	Two-step synthesis of well-ordered layered graphite oxide with high oxidation degree. <i>Applied Surface Science</i> , 2020, 507, 145049.	3.1	11
7	Formation of a N ₂ O ₅ graphite intercalation compound by ozone treatment of natural graphite. <i>Green Chemistry</i> , 2020, 22, 5463-5469.	4.6	9
8	Thermal exfoliation of electrochemically synthesized graphite intercalation compound with perrhenic acid. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1363-1370.	1.2	8
9	Carbon Fiber and Nickel Coated Carbon Fiber-Silica Aerogel Nanocomposite as Low-Frequency Microwave Absorbing Materials. <i>Materials</i> , 2020, 13, 400.	1.3	16
10	Influence of Annealing on Structure and Corrosion Resistance of Duplex and Super Duplex Stainless Steel. , 2020, , 483-490.		0
11	Impact of Electrodes Design on Their Activity in the Oxidation of Organic Pollutants. , 2020, , 355-364.		0
12	The Influence of Carbon Material Modification on The Pseudocapacitive Effect. <i>Materials Today: Proceedings</i> , 2019, 6, 36-41.	0.9	4
13	Electrochemical properties of exfoliated graphite/nickel/palladium/carbon fibers composite. <i>Ionics</i> , 2019, 25, 903-906.	1.2	1
14	Electrochemical formation of graphite oxide from the mixture composed of sulfuric and nitric acids. <i>Electrochimica Acta</i> , 2019, 310, 96-103.	2.6	24
15	Methanol Electrooxidation at Electrodes Made of Exfoliated Graphite/Nickel/Palladium Composite. <i>Catalysis Letters</i> , 2019, 149, 2307-2316.	1.4	10
16	Thermal exfoliation of electrochemically obtained graphitic materials. <i>Applied Surface Science</i> , 2019, 481, 466-472.	3.1	8
17	The electrochemical performance of carbon xerogels with the addition of graphite intercalation compound. <i>Applied Surface Science</i> , 2019, 481, 545-553.	3.1	5
18	Native Osseous CaP Biomineral Coating on a Biomimetic Multi-Spiked Connecting Scaffold Prototype for Cementless Resurfacing Arthroplasty Achieved by Combined Electrochemical Deposition. <i>Materials</i> , 2019, 12, 3994.	1.3	4

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19	Electrocatalytic properties of graphite intercalation compound with metal chlorides modified by cathodic treatment. <i>Electrochimica Acta</i> , 2019, 297, 735-741.	2.6	2
20	Effects of a hydroxyapatite coating on the stability of endosseous implants in rabbit tibiae. <i>Dental and Medical Problems</i> , 2019, 56, 123-129.	0.7	14
21	Potential oscillations affected by the electrochemical overoxidation of graphite in aqueous nitric acid. <i>Electrochimica Acta</i> , 2018, 267, 102-109.	2.6	20
22	Influence of chemical exfoliation process on the activity of NiCl ₂ -FeCl ₃ -PdCl ₂ -graphite intercalation compound towards methanol electrooxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 53-59.	10.8	16
23	Regeneration of expanded graphite electrodes by joined electrochemical and ozone treatment in liquid phase. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3965-3975.	1.2	3
24	Hydroxyapatite coating on titanium endosseous implants for improved osseointegration: Physical and chemical considerations. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 27, 1055-1059.	0.6	25
25	Graphene material preparation through thermal treatment of graphite oxide electrochemically synthesized in aqueous sulfuric acid. <i>RSC Advances</i> , 2017, 7, 19904-19911.	1.7	83
26	Influence of expanded graphite coming from the electrochemical oxidation of phenol on cement-polymer matrix. <i>Polish Journal of Chemical Technology</i> , 2016, 18, 5-8.	0.3	2
27	Sapindus saponins™ impact on hydrocarbon biodegradation by bacteria strains after short- and long-term contact with pollutant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 207-213.	2.5	41
28	Electrochemical sorption of hydrogen in exfoliated graphite/nickel/palladium composite. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 20433-20438.	3.8	9
29	Process of phenol electrooxidation on the expanded graphite electrode accompanied by the in-situ anodic regeneration. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 228-234.	1.9	3
30	Graphene material prepared by thermal reduction of the electrochemically synthesized graphite oxide. <i>RSC Advances</i> , 2016, 6, 63058-63063.	1.7	32
31	The application of activated carbon modified by ozone treatment for energy storage. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2857-2864.	1.2	61
32	Changes in structure, morphology and electrochemical properties of NiCl ₂ ·FeCl ₃ ·PdCl ₂ ·graphite intercalation compound affected by gaseous hydrogen reduction process. <i>Electrochimica Acta</i> , 2016, 205, 266-272.	2.6	8
33	Electrochemical properties of exfoliated graphite affected by its two-step modification. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 361-369.	1.2	8
34	Synthesis of graphite oxide by electrochemical oxidation in aqueous perchloric acid. <i>Carbon</i> , 2016, 100, 540-545.	5.4	83
35	Preparation and electrochemical properties of EG/Fe ₂ O ₃ /C composite. <i>Ionics</i> , 2015, 21, 59-66.	1.2	3
36	Multiple anodic regeneration of exfoliated graphite electrodes spent in the process of phenol electrooxidation. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 917-928.	1.2	5

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37	Properties of an EG/Fe/C composite modified by ozone treatment. <i>Carbon</i> , 2013, 65, 374-376.	5.4	5
38	Enhancement of electrochemical hydrogen storage in NiCl ₂ •FeCl ₃ •PdCl ₂ •graphite intercalation compound effected by chemical exfoliation. <i>Applied Surface Science</i> , 2013, 275, 282-288.	3.1	18
39	Examination of benzoquinone electrooxidation pathway as crucial step of phenol degradation process. <i>Electrochimica Acta</i> , 2012, 80, 22-26.	2.6	12
40	Electrochemical reactivation of expanded graphite electrodes covered by oligomeric products of phenol electrooxidation. <i>Electrochimica Acta</i> , 2012, 79, 202-209.	2.6	11
41	Effect of ozone treatment on properties of expanded graphite. <i>Chemical Engineering Journal</i> , 2011, 172, 1096-1102.	6.6	41
42	Electrochemical behavior of negative electrode of lead-acid cells based on reticulated vitreous carbon carrier. <i>Journal of Power Sources</i> , 2010, 195, 7524-7529.	4.0	20
43	Modification of expanded graphite resulting in enhancement of electrochemical activity in the process of phenol oxidation. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 91-98.	1.5	15
44	Improved hydrogen sorption/desorption capacity of exfoliated NiCl ₂ -graphite intercalation compound effected by thermal treatment. <i>Solid State Ionics</i> , 2010, 181, 653-658.	1.3	16
45	Modification of Expanded Graphite Electrodes by Ozone Treatment. <i>Acta Physica Polonica A</i> , 2010, 118, 465-470.	0.2	2
46	The Investigation on the Mechanism of Electrochemical Hydrogen Storage in Sandwich Nickel Foam/Palladium/Carbon Nanofibers Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3858-3865.	0.9	8
47	Enhanced electrochemical activity of regenerated expanded graphite electrode after exhaustion in the process of phenol oxidation. <i>Chemical Engineering Journal</i> , 2009, 152, 464-470.	6.6	22
48	Electrochemical behavior of exfoliated NiCl ₂ •graphite intercalation compound affected by hydrogen sorption. <i>Energy Conversion and Management</i> , 2008, 49, 2440-2446.	4.4	19
49	The study of hydrogen electrosorption in layered nickel foam/palladium/carbon nanofibers composite electrodes. <i>Electrochimica Acta</i> , 2007, 52, 5677-5684.	2.6	32
50	Improved electrooxidation of phenol at exfoliated graphite electrodes. <i>Journal of Solid State Electrochemistry</i> , 2006, 11, 223-230.	1.2	17
51	Electrooxidation of phenol at exfoliated graphite electrode in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 442-447.	1.2	29