Piotr Krawczyk

List of Publications by Year in descending order

51 papers	821 citations	516681 16 h-index	552766 26 g-index
54 all docs	54 docs citations	54 times ranked	952 citing authors

#	Article	IF	Citations
1	Ozonation with ammoxidation as a method of obtaining O, N-doped carbon electrode material to electrochemical capacitors. Electrochimica Acta, 2022, 413, 140130.	5.2	6
2	Design and Microwave-Assisted Synthesis of TiO2-Lanthanides Systems and Evaluation of Photocatalytic Activity under UV-LED Light Irradiation. Catalysts, 2022, 12, 8.	3.5	8
3	Synthesis and characterization of electrochemically-oxidized amine-functionalized graphite framework materials. Carbon, 2021, 176, 327-338.	10.3	6
4	Titanium-peroxy and peroxide complex functionalities on Ti-6Al-4V alloy effected by modification with active radicals. Chemical Engineering Science, 2021, 237, 116543.	3.8	0
5	Methanol electrooxidation at NiCl2â€“FeCl3â€“graphite intercalation compound affected by ozone treatment. Journal of Physics and Chemistry of Solids, 2021, 157, 110223.	4.0	2
6	Two-step synthesis of well-ordered layered graphite oxide with high oxidation degree. Applied Surface Science, 2020, 507, 145049.	6.1	11
7	Formation of a N₂O₅â€“graphite intercalation compound by ozone treatment of natural graphite. Green Chemistry, 2020, 22, 5463-5469.	9.0	9
8	Thermal exfoliation of electrochemically synthesized graphite intercalation compound with perrhenic acid. Journal of Solid State Electrochemistry, 2020, 24, 1363-1370.	2.5	8
9	Carbon Fiber and Nickel Coated Carbon Fiberâ€“Silica Aerogel Nanocomposite as Low-Frequency Microwave Absorbing Materials. Materials, 2020, 13, 400.	2.9	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. Materials Today: Proceedings, 2019, 6, 36-41.	1.8	4
13	Electrochemical properties of exfoliated graphite/nickel/palladium/carbon fibers composite. Ionics, 2019, 25, 903-906.	2.4	1
14	Electrochemical formation of graphite oxide from the mixture composed of sulfuric and nitric acids. Electrochimica Acta, 2019, 310, 96-103.	5.2	24
15	Methanol Electrooxidation at Electrodes Made of Exfoliated Graphite/Nickel/Palladium Composite. Catalysis Letters, 2019, 149, 2307-2316.	2.6	10
16	Thermal exfoliation of electrochemically obtained graphitic materials. Applied Surface Science, 2019, 481, 466-472.	6.1	8
17	The electrochemical performance of carbon xerogels with the addition of graphite intercalation compound. Applied Surface Science, 2019, 481, 545-553.	6.1	5
18	Native Osseous CaP Biomineral Coating on a Biomimetic Multi-Spiked Connecting Scaffold Prototype for Cementless Resurfacing Arthroplasty Achieved by Combined Electrochemical Deposition. Materials, 2019, 12, 3994.	2.9	4

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19	Electrocatalytic properties of graphite intercalation compound with metal chlorides modified by cathodic treatment. Electrochimica Acta, 2019, 297, 735-741.	5.2	2
20	Effects of a hydroxyapatite coating on the stability of endosseous implants in rabbit tibiae. Dental and Medical Problems, 2019, 56, 123-129.	2.0	14
21	Potential oscillations affected by the electrochemical overoxidation of graphite in aqueous nitric acid. Electrochimica Acta, 2018, 267, 102-109.	5.2	20
22	Influence of chemical exfoliation process on the activity of NiCl2-FeCl3-PdCl2-graphite intercalation compound towards methanol electrooxidation. Applied Catalysis B: Environmental, 2018, 224, 53-59.	20.2	16
23	Regeneration of expanded graphite electrodes by joined electrochemical and ozone treatment in liquid phase. Journal of Solid State Electrochemistry, 2018, 22, 3965-3975.	2.5	3
24	Hydroxyapatite coating on titanium endosseous implants for improved osseointegration: Physical and chemical considerations. Advances in Clinical and Experimental Medicine, 2018, 27, 1055-1059.	1.4	25
25	Graphene material preparation through thermal treatment of graphite oxide electrochemically synthesized in aqueous sulfuric acid. RSC Advances, 2017, 7, 19904-19911.	3.6	83
26	Influence of expanded graphite coming from the electrochemical oxidation of phenol on cement-polymer matrix. Polish Journal of Chemical Technology, 2016, 18, 5-8.	0.5	2
27	Sapindus saponinsâ€™ impact on hydrocarbon biodegradation by bacteria strains after short- and long-term contact with pollutant. Colloids and Surfaces B: Biointerfaces, 2016, 142, 207-213.	5.0	41
28	Electrochemical sorption of hydrogen in exfoliated graphite/nickel/palladium composite. International Journal of Hydrogen Energy, 2016, 41, 20433-20438.	7.1	9
29	Process of phenol electrooxidation on the expanded graphite electrode accompanied by the in-situ anodic regeneration. Journal of Electroanalytical Chemistry, 2016, 775, 228-234.	3.8	3
30	Graphene material prepared by thermal reduction of the electrochemically synthesized graphite oxide. RSC Advances, 2016, 6, 63058-63063.	3.6	32
31	The application of activated carbon modified by ozone treatment for energy storage. Journal of Solid State Electrochemistry, 2016, 20, 2857-2864.	2.5	61
32	Changes in structure, morphology and electrochemical properties of NiCl 2 â€“FeCl 3 â€“PdCl 2 â€“graphite intercalation compound affected by gaseous hydrogen reduction process. Electrochimica Acta, 2016, 205, 266-272.	5.2	8
33	Electrochemical properties of exfoliated graphite affected by its two-step modification. Journal of Solid State Electrochemistry, 2016, 20, 361-369.	2.5	8
34	Synthesis of graphite oxide by electrochemical oxidation in aqueous perchloric acid. Carbon, 2016, 100, 540-545.	10.3	83
35	Preparation and electrochemical properties of EG/Fe2O3/C composite. Ionics, 2015, 21, 59-66.	2.4	3
36	Multiple anodic regeneration of exfoliated graphite electrodes spent in the process of phenol electrooxidation. Journal of Solid State Electrochemistry, 2014, 18, 917-928.	2.5	5

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37	Properties of an EG/Fe/C composite modified by ozone treatment. Carbon, 2013, 65, 374-376.	10.3	5
38	Enhancement of electrochemical hydrogen storage in NiCl2â€“FeCl3â€“PdCl2â€“graphite intercalation compound effected by chemical exfoliation. Applied Surface Science, 2013, 275, 282-288.	6.1	18
39	Examination of benzoquinone electrooxidation pathway as crucial step of phenol degradation process. Electrochimica Acta, 2012, 80, 22-26.	5.2	12
40	Electrochemical reactivation of expanded graphite electrodes covered by oligomeric products of phenol electrooxidation. Electrochimica Acta, 2012, 79, 202-209.	5.2	11
41	Effect of ozone treatment on properties of expanded graphite. Chemical Engineering Journal, 2011, 172, 1096-1102.	12.7	41
42	Electrochemical behavior of negative electrode of lead-acid cells based on reticulated vitreous carbon carrier. Journal of Power Sources, 2010, 195, 7524-7529.	7.8	20
43	Modification of expanded graphite resulting in enhancement of electrochemical activity in the process of phenol oxidation. Journal of Applied Electrochemistry, 2010, 40, 91-98.	2.9	15
44	Improved hydrogen sorption/desorption capacity of exfoliated NiCl2-graphite intercalation compound effected by thermal treatment. Solid State Ionics, 2010, 181, 653-658.	2.7	16
45	Modification of Expanded Graphite Electrodes by Ozone Treatment. Acta Physica Polonica A, 2010, 118, 465-470.	0.5	2
46	The Investigation on the Mechanism of Electrochemical Hydrogen Storage in Sandwich Nickel Foam/Palladium/Carbon Nanofibers Electrodes. Journal of Nanoscience and Nanotechnology, 2009, 9, 3858-3865.	0.9	8
47	Enhanced electrochemical activity of regenerated expanded graphite electrode after exhaustion in the process of phenol oxidation. Chemical Engineering Journal, 2009, 152, 464-470.	12.7	22
48	Electrochemical behavior of exfoliated NiCl2â€“graphite intercalation compound affected by hydrogen sorption. Energy Conversion and Management, 2008, 49, 2440-2446.	9.2	19
49	The study of hydrogen electrosorption in layered nickel foam/palladium/carbon nanofibers composite electrodes. Electrochimica Acta, 2007, 52, 5677-5684.	5.2	32
50	Improved electrooxidation of phenol at exfoliated graphite electrodes. Journal of Solid State Electrochemistry, 2006, 11, 223-230.	2.5	17
51	Electrooxidation of phenol at exfoliated graphite electrode in alkaline solution. Journal of Solid State Electrochemistry, 2004, 8, 442-447.	2.5	29