

# Zoran JovanoviÄ

## List of Publications by Year in descending order

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43  
papers

625  
citations

567281

15  
h-index

610901

24  
g-index

43  
all docs

43  
docs citations

43  
times ranked

807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of surface oxygen groups on different carbon materials by the Boehm method and temperature programmed desorption. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 757-768.	0.8	60
2	Characterization of potassium salts of 12-tungstophosphoric acid. <i>Materials Research Bulletin</i> , 2010, 45, 1679-1684.	5.2	59
3	Influence of diatomite microstructure on its adsorption capacity for Pb(II). <i>Science of Sintering</i> , 2009, 41, 309-317.	1.4	43
4	The role of surface chemistry in the charge storage properties of graphene oxide. <i>Electrochimica Acta</i> , 2017, 258, 1228-1243.	5.2	39
5	Changes of hydrogen storage properties of MgH <sub>2</sub> induced by boron ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1184-1189.	7.1	37
6	Influence of vacant CeO <sub>2</sub> nanostructured ceramics on MgH <sub>2</sub> hydrogen desorption properties. <i>Ceramics International</i> , 2012, 38, 1181-1186.	4.8	37
7	Hydrogen storage properties of MgH <sub>2</sub> mechanically milled with $\hat{1}\pm$ and $\hat{1}^2$ SiC. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 549-554.	7.1	31
8	The effect of boron incorporation on the structure and properties of glassy carbon. <i>Carbon</i> , 2011, 49, 2671-2678.	10.3	30
9	Optical and dielectric properties of fluorinated ethylene propylene and tetrafluoroethylene- $\hat{1}$ -perfluoro(alkoxy vinyl ether) copolymer films modified by low energy N <sub>4+</sub> and C <sub>4+</sub> ion beams. <i>Radiation Physics and Chemistry</i> , 2011, 80, 1378-1385.	2.8	27
10	Strain-Engineered Metal-Insulator Transition and Orbital Polarization in Nickelate Superlattices Integrated on Silicon. <i>Advanced Materials</i> , 2020, 32, e2004995.	21.0	24
11	Epitaxial ferroelectric oxides on silicon with perspectives for future device applications. <i>APL Materials</i> , 2021, 9, .	5.1	23
12	Effect of thermal treatment on the charge storage properties of graphene oxide/12-tungstophosphoric acid nanocomposite. <i>Electrochemistry Communications</i> , 2017, 83, 36-40.	4.7	16
13	In situ synthesis of potassium tungstophosphate supported on BEA zeolite and perspective application for pesticide removal. <i>Journal of Environmental Sciences</i> , 2019, 81, 136-147.	6.1	16
14	Effect of N <sub>4+</sub> and C <sub>4+</sub> ion beam bombardment on the optical and structural characteristics of ethylene- $\hat{1}$ -norbornene copolymer (TOPAS). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2011, 269, 708-715.	1.4	15
15	Silicon Surface Deoxidation Using Strontium Oxide Deposited with the Pulsed Laser Deposition Technique. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18205-18214.	8.0	15
16	Pd- $\hat{1}$ -Ag hydrogen diffusion cathode for alkaline water electrolyzers. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5211-5217.	7.1	14
17	Structural modification of PdAg alloy induced by electrolytic hydrogen absorption. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7728-7736.	7.1	14
18	Pd- $\hat{1}$ -Ag hydrogen content and electrical resistivity: Temperature and pressure effect. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 7925-7933.	7.1	12

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19	The effect of combustion chamber geometry layout on combustion and emission. <i>Thermal Science</i> , 2008, 12, 7-24.	1.1	12
20	Platinum-mediated healing of defective graphene produced by irradiating glassy carbon with a hydrogen ion-beam. <i>Materials Chemistry and Physics</i> , 2013, 141, 27-34.	4.0	11
21	Influence of surface activation on the hydrogen permeation properties of PdAg cathode membrane. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15364-15371.	7.1	10
22	A quick, simplified approach to the evaluation of combustion rate from an internal combustion engine indicator diagram. <i>Thermal Science</i> , 2008, 12, 85-102.	1.1	10
23	Modification of glassy carbon properties under low energy proton irradiation. <i>Carbon</i> , 2011, 49, 3737-3746.	10.3	9
24	The effect of bowl-in-piston geometry layout on fluid flow pattern. <i>Thermal Science</i> , 2011, 15, 817-832.	1.1	9
25	Self-limiting interactions in 2D <sup>0D</sup> systems: A case study of graphene oxide and 12-tungstophosphoric acid nanocomposite. <i>Carbon</i> , 2020, 156, 166-178.	10.3	8
26	Integration of Single Oriented Oxide Superlattices on Silicon Using Various Template Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42925-42932.	8.0	8
27	Control of SrO buffer-layer formation on Si(001) using the pulsed-laser deposition technique. <i>RSC Advances</i> , 2016, 6, 82150-82156.	3.6	7
28	Glassy carbon and boron doped glassy carbon electrodes for voltammetric determination of linuron herbicide in the selected samples. <i>Open Chemistry</i> , 2012, 10, 1271-1279.	1.9	6
29	What role does carbonized tannic acid play in energy storage composites?. <i>Fuel</i> , 2022, 312, 122930.	6.4	6
30	Structural and electrochemical properties of carbon ion beam irradiated 12-tungstophosphoric acid. <i>Radiation Physics and Chemistry</i> , 2021, 183, 109422.	2.8	4
31	The evolution of hydrogen from proton irradiated glassy carbon. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2011, 269, 2578-2583.	1.4	3
32	Tailoring the electrochemical charge storage properties of carbonaceous support by redox properties of heteropoly acids: where does the synergy come from?. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2747-2758.	2.5	3
33	Boron ion irradiation induced structural and surface modification of glassy carbon. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 316, 17-21.	1.4	2
34	Platinum deposition from hydrogen-ion beam irradiated solid precursor. <i>Materials Letters</i> , 2011, 65, 2655-2657.	2.6	1
35	Hydrogen Absorption in Pd <sup>Ag</sup> Systems: A TPD and Electrical Resistivity Study. <i>Materials</i> , 2019, 12, 3160.	2.9	1
36	Simultaneous heteroepitaxial growth of SrO (001) and SrO (111) during strontium-assisted deoxidation of the Si (001) surface. <i>RSC Advances</i> , 2020, 10, 31261-31270.	3.6	1

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37	Carbon Monolith Surface Chemistry Influence on the Silver Deposit Amount and Crystallite Size. Acta Physica Polonica A, 2011, 120, 284-288.	0.5	1
38	Mechanistic insights into ion-beam induced reduction of graphene oxide: An experimental and theoretical study. Radiation Physics and Chemistry, 2022, 199, 110355.	2.8	1
39	Liquid crystal aligning using different approaches. Journal of Physics: Conference Series, 2020, 1560, 012040.	0.4	0
40	Silver deposition on chemically treated carbon monolith. Hemijska Industrija, 2009, 63, 195-200.	0.7	0
41	Changes of structural and hydrogen desorption properties of MgH <sub>2</sub> induced by ion irradiation. Hemijska Industrija, 2010, 64, 227-232.	0.7	0
42	Analysis of surface oxygen groups of thermally reduced graphene oxide via temperature programmed desorption method. Tehnika, 2018, 73, 186-191.	0.2	0
43	Electrochemical properties of composites of graphene-oxide and cobalt-ferrite doped with zink and gallium. Tehnika, 2022, 77, 155-162.	0.2	0