

Slavko Mentus

List of Publications by Year in descending order

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171
papers

4,239
citations

94269

37
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161609

54
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172
all docs

172
docs citations

172
times ranked

5206
citing authors

#	ARTICLE	IF	CITATIONS
1	Conducting carbonized polyaniline nanotubes. <i>Nanotechnology</i> , 2009, 20, 245601.	1.3	131
2	High-performance charge storage by N-containing nanostructured carbon derived from polyaniline. <i>Carbon</i> , 2012, 50, 3915-3927.	5.4	118
3	Carbonised polyaniline and polypyrrole: towards advanced nitrogen-containing carbon materials. <i>Chemical Papers</i> , 2013, 67, .	1.0	111
4	Electrocatalysis of oxygen reduction reaction on polyaniline-derived nitrogen-doped carbon nanoparticle surfaces in alkaline media. <i>Journal of Power Sources</i> , 2012, 220, 306-316.	4.0	105
5	One-dimensional nitrogen-containing carbon nanostructures. <i>Progress in Materials Science</i> , 2015, 69, 61-182.	16.0	105
6	The kinetic study of temperature-programmed reduction of nickel oxide in hydrogen atmosphere. <i>Chemical Engineering Science</i> , 2008, 63, 567-575.	1.9	100
7	Oxygen reduction on anodically formed titanium dioxide. <i>Electrochimica Acta</i> , 2004, 50, 27-32.	2.6	99
8	Synthesis, Characterization, and Electrochemistry of Nanotubular Polypyrrole and Polypyrrole-Derived Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14770-14784.	1.5	98
9	Gel-combustion synthesis of LiFePO ₄ /C composite with improved capacity retention in aerated aqueous electrolyte solution. <i>Electrochimica Acta</i> , 2013, 92, 248-256.	2.6	87
10	Atomic adsorption on graphene with a single vacancy: systematic DFT study through the periodic table of elements. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 858-865.	1.3	81
11	Electrochemical and Density Functional Theory Study on the Reactivity of Fisetin and Its Radicals: Implications on in Vitro Antioxidant Activity. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14170-14179.	1.1	73
12	Superior capacitive and electrocatalytic properties of carbonized nanostructured polyaniline upon a low-temperature hydrothermal treatment. <i>Carbon</i> , 2013, 64, 472-486.	5.4	72
13	Synthesis and Characterization of Self-Assembled Polyaniline Nanotubes/Silica Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7116-7127.	1.2	71
14	DFT study of platinum and palladium overlayers on tungsten carbide: Structure and electrocatalytic activity toward hydrogen oxidation/evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5009-5018.	3.8	68
15	The improvement of the Li-ion insertion behaviour of Li _{1.05} Cr _{0.10} Mn _{1.85} O ₄ in an aqueous medium upon addition of vinylene carbonate. <i>Electrochemistry Communications</i> , 2010, 12, 371-373.	2.3	63
16	High-rate intercalation capability of NaTi ₂ (PO ₄) ₃ /C composite in aqueous lithium and sodium nitrate solutions. <i>Journal of Power Sources</i> , 2015, 288, 176-186.	4.0	62
17	Atomic adsorption on pristine graphene along the Periodic Table of Elements – From PBE to non-local functionals. <i>Applied Surface Science</i> , 2018, 436, 433-440.	3.1	61
18	The kinetic analysis of non-isothermal nickel oxide reduction in hydrogen atmosphere using the invariant kinetic parameters method. <i>Thermochimica Acta</i> , 2007, 456, 48-55.	1.2	59

#	ARTICLE	IF	CITATIONS
19	Synthesis and Characterization of Conducting Self-Assembled Polyaniline Nanotubes/Zeolite Nanocomposite. <i>Langmuir</i> , 2009, 25, 3122-3131.	1.6	57
20	A DFT study of the interplay between dopants and oxygen functional groups over the graphene basal plane – implications in energy-related applications. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8530-8540.	1.3	56
21	Pd/c-PANI electrocatalysts for direct borohydride fuel cells. <i>Electrochimica Acta</i> , 2016, 213, 298-305.	2.6	55
22	A general view on the reactivity of the oxygen-functionalized graphene basal plane. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6580-6586.	1.3	54
23	A kinetic study of non-isothermal decomposition process of anhydrous nickel nitrate under air atmosphere. <i>Physica B: Condensed Matter</i> , 2009, 404, 2263-2269.	1.3	52
24	Microporous conducting carbonized polyaniline nanorods: Synthesis, characterization and electrocatalytic properties. <i>Microporous and Mesoporous Materials</i> , 2012, 152, 50-57.	2.2	52
25	Modification of carbon electrodes for oxygen reduction and hydrogen peroxide formation: The search for stable and efficient sonoelectrocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 992-997.	1.3	50
26	Electrochemical behaviour of V ₂ O ₅ xerogel in aqueous LiNO ₃ solution. <i>Electrochemistry Communications</i> , 2009, 11, 1512-1514.	2.3	50
27	Radiolitically synthesized nano Ag/C catalysts for oxygen reduction and borohydride oxidation reactions in alkaline media, for potential applications in fuel cells. <i>Energy</i> , 2016, 101, 79-90.	4.5	50
28	Halogen adsorption on crystallographic (111) planes of Pt, Pd, Cu and Au, and on Pd-monolayer catalyst surfaces: First-principles study. <i>Electrochimica Acta</i> , 2010, 55, 1995-2003.	2.6	45
29	Improved catalysts for hydrogen evolution reaction in alkaline solutions through the electrochemical formation of nickel-reduced graphene oxide interface. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13281-13293.	1.3	45
30	Hydrogen Adsorption on Palladium and Platinum Overlayers: DFT Study. <i>Advances in Physical Chemistry</i> , 2011, 2011, 1-8.	2.0	44
31	A kinetic study of the thermal decomposition process of potassium metabisulfite: Estimation of distributed reactivity model. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1923-1933.	1.9	43
32	Functionalized graphene for sodium battery applications: the DFT insights. <i>Electrochimica Acta</i> , 2017, 250, 185-195.	2.6	43
33	Safe trapping of cesium into pollucite structure by hot-pressing method. <i>Journal of Nuclear Materials</i> , 2016, 474, 35-44.	1.3	41
34	Structural and electronic properties of V ₂ O ₅ and their tuning by doping with 3d elements – modelling using the DFT+ <i>U</i> method and dispersion correction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13934-13943.	1.3	41
35	Recent developments of Na ₄ M ₃ (PO ₄) ₂ (P ₂ O ₇) as the cathode material for alkaline-ion rechargeable batteries: challenges and outlook. <i>Energy Storage Materials</i> , 2021, 37, 243-273.	9.5	41
36	The quest for optimal water quantity in the synthesis of metal-organic framework MOF-5. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 23-29.	2.2	40

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37	Electrochemical behavior of an Ag/TiO ₂ composite surfaces. <i>Electrochimica Acta</i> , 2006, 51, 2793-2799.	2.6	38
38	Synthesis and characterization of LiFePO ₄ /C composite obtained by sonochemical method. <i>Solid State Ionics</i> , 2008, 179, 415-419.	1.3	38
39	Carbonized polyaniline nanotubes/nanosheets-supported Pt nanoparticles: Synthesis, characterization and electrocatalysis. <i>Materials Letters</i> , 2011, 65, 962-965.	1.3	38
40	Enhancement of electrocatalytic properties of carbonized polyaniline nanoparticles upon a hydrothermal treatment in alkaline medium. <i>Electrochimica Acta</i> , 2011, 56, 9197-9202.	2.6	37
41	Electrochemical response of a composite Pt/TiO ₂ layer formed potentiodynamically on titanium surfaces. <i>Electrochimica Acta</i> , 2005, 50, 3609-3615.	2.6	35
42	Thermogravimetric study of the kinetics of Co ₃ O ₄ reduction by hydrogen. <i>Thermochimica Acta</i> , 2012, 541, 15-24.	1.2	35
43	The Effects of a Low-Level Boron, Phosphorus, and Nitrogen Doping on the Oxygen Reduction Activity of Ordered Mesoporous Carbons. <i>Electrocatalysis</i> , 2015, 6, 498-511.	1.5	35
44	Electronic properties of the Pt _x Me _{1-x} /Pt(111) (Me=Au, Bi, In, Pb, Pd, Sn and Cu) surface alloys: DFT study. <i>Materials Chemistry and Physics</i> , 2009, 116, 94-101.	2.0	34
45	Micro/mesoporous conducting carbonized polyaniline 5-sulfosalicylate nanorods/nanotubes: Synthesis, characterization and electrocatalysis. <i>Synthetic Metals</i> , 2011, 161, 2179-2184.	2.1	33
46	Altering the reactivity of pristine, N- and P-doped graphene by strain engineering: A DFT view on energy related aspects. <i>Applied Surface Science</i> , 2020, 514, 145937.	3.1	33
47	Oxidation of aniline in dopant-free template-free dilute reaction media. <i>Materials Chemistry and Physics</i> , 2011, 127, 501-510.	2.0	30
48	Fast sodiation/desodiation reactions of electrochemically delithiated olivine LiFePO ₄ in aerated aqueous NaNO ₃ solution. <i>Journal of Power Sources</i> , 2014, 247, 184-188.	4.0	30
49	A kinetic study of copper(II) oxide powder reduction with hydrogen, based on thermogravimetry. <i>Thermochimica Acta</i> , 2011, 521, 211-217.	1.2	29
50	Surface pourbaix plots of M@N ₄ -graphene single-atom electrocatalysts from density functional theory thermodynamic modeling. <i>Electrochimica Acta</i> , 2022, 412, 140155.	2.6	29
51	Cyclic voltammetry of LiCr _{0.15} Mn _{1.85} O ₄ in an aqueous LiNO ₃ solution. <i>Journal of Power Sources</i> , 2007, 174, 1117-1120.	4.0	28
52	Mechanically activated carbonized rayon fibers as an electrochemical supercapacitor in aqueous solutions. <i>Electrochimica Acta</i> , 2017, 245, 796-806.	2.6	27
53	The influence of cathodic pretreatment on the kinetics of hydroxide ion oxidation on polycrystalline gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 2007, 600, 364-368.	1.9	26
54	Oxygen reduction reaction on spontaneously and potentiodynamically formed Au/TiO ₂ composite surfaces. <i>Electrochimica Acta</i> , 2007, 52, 4581-4588.	2.6	26

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55	Conductivity, viscosity and IR spectra of Li, Na and Mg perchlorate solutions in propylene carbonate/water mixed solvents. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5157-5161.	1.3	25
56	THE INFLUENCE OF INTERCALATED IONS ON CYCLIC STABILITY OF V ₂ O ₅ /GRAPHITE COMPOSITE IN AQUEOUS ELECTROLYTIC SOLUTIONS: EXPERIMENTAL AND THEORETICAL APPROACH. <i>Electrochimica Acta</i> , 2015, 176, 130-140.	2.6	25
57	Potentiodynamic and galvanostatic testing of NaFe _{0.95} V _{0.05} PO ₄ /C composite in aqueous NaNO ₃ solution, and the properties of aqueous Na _{1.2} V ₃ O ₈ /NaNO ₃ /NaFe _{0.95} V _{0.05} PO ₄ /C battery. <i>Journal of Power Sources</i> , 2016, 325, 185-193.	4.0	25
58	Stabilization of alkali metal ions interaction with OH-functionalized graphene via clustering of OH groups – implications in charge storage applications. <i>RSC Advances</i> , 2016, 6, 57910-57919.	1.7	25
59	Polyaniline/FeZSM-5 composites – Synthesis, characterization and their high catalytic activity for the oxidative degradation of herbicide glyphosate. <i>Microporous and Mesoporous Materials</i> , 2018, 267, 68-79.	2.2	25
60	Atomically Thin Metal Films on Foreign Substrates: From Lattice Mismatch to Electrocatalytic Activity. <i>ACS Catalysis</i> , 2019, 9, 3467-3481.	5.5	25
61	Hydrothermal synthesis of Li ₄ Ti ₅ O ₁₂ /C nanostructured composites: Morphology and electrochemical performance. <i>Materials Research Bulletin</i> , 2013, 48, 218-223.	2.7	24
62	A study of ordered mesoporous carbon doped with Co and Ni as a catalyst of oxygen reduction reaction in both alkaline and acidic media. <i>Surface and Coatings Technology</i> , 2018, 349, 511-521.	2.2	24
63	Gel-combustion synthesis of Ni–MoO ₃ mixtures and their reduction to Ni–Mo alloys. <i>Materials Chemistry and Physics</i> , 2008, 112, 254-261.	2.0	23
64	The LiFe(1-x)VPO ₄ /C composite synthesized by gel-combustion method, with improved rate capability and cycle life in aerated aqueous solutions. <i>Electrochimica Acta</i> , 2013, 109, 835-842.	2.6	23
65	Incorporation of Pt, Ru and Pt-Ru nanoparticles into ordered mesoporous carbons for efficient oxygen reduction reaction in alkaline media. <i>Electrochimica Acta</i> , 2015, 153, 130-139.	2.6	23
66	Polyaniline as a charge storage material in an aqueous aluminum-based electrolyte: Can aluminum ions play the role of protons?. <i>Journal of Power Sources</i> , 2021, 482, 228937.	4.0	23
67	The viscosity and structure of molten ZnCl ₂ and ZnBr ₂ . <i>Journal of Chemical Physics</i> , 1975, 62, 744.	1.2	22
68	Simple routes for the improvement of hydrogen evolution activity of Ni-Mo catalysts: From sol-gel derived powder catalysts to graphene supported co-electrodeposits. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16846-16858.	3.8	22
69	Densification, Microstructure, and Electrical Properties of BaTiO ₃ (BT) Ceramics Prepared from Ultrasonically De-Agglomerated BT Powders. <i>Materials and Manufacturing Processes</i> , 2009, 24, 1114-1123.	2.7	21
70	First principles study of adsorption of metals on Pt(111) surface. <i>Journal of Alloys and Compounds</i> , 2010, 497, 38-45.	2.8	21
71	The thermogravimetric study of silver(I) oxide reduction by hydrogen. <i>Thermochimica Acta</i> , 2011, 526, 252-256.	1.2	21
72	Complex investigation of charge storage behavior of microporous carbon synthesized by zeolite template. <i>Microporous and Mesoporous Materials</i> , 2016, 228, 94-106.	2.2	21

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73	Electrochemical Oxidation of Phenol on Metal-impregnated Zeolite Electrodes. <i>Chemical Engineering and Technology</i> , 2009, 32, 738-744.	0.9	20
74	DFT study of adsorption of hydrogen and carbon monoxide on $Pt_xBi_{1-x}/Pt(111)$ bimetallic overlayers: correlation to surface electronic properties. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6225.	1.3	20
75	Electrical properties of barium titanate stannate functionally graded materials. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1427-1435.	2.8	20
76	Self-assembled polyaniline 12-tungstophosphate micro/nanostructures. <i>Synthetic Metals</i> , 2010, 160, 1463-1473.	2.1	20
77	Electrochemical oxidation of diazinon in aqueous solutions via electrogenerated halogens " Diazinon fate and implications for its detection. <i>Journal of Electroanalytical Chemistry</i> , 2013, 692, 40-45.	1.9	20
78	Complex electrochemical investigation of ordered mesoporous carbon synthesized by soft-templating method: charge storage and electrocatalytical or Pt-electrocatalyst supporting behavior. <i>Electrochimica Acta</i> , 2014, 125, 606-614.	2.6	20
79	An investigation about the activation energies of the reduction transitions of fine dispersed $CuWO_4_x/WO_3_x$ oxide powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2010, 28, 383-387.	1.7	19
80	Structural, morphological and catalytic characterization of neutral Ag salt of 12-tungstophosphoric acid: Influence of preparation conditions. <i>Applied Surface Science</i> , 2015, 328, 466-474.	3.1	19
81	Studies on structural, morphological and electrical properties of $Ce_{1-x}Er_xO_{2-x}$ ($x=0.05-0.20$) as solid electrolyte for IT " SOFC. <i>Materials Chemistry and Physics</i> , 2015, 153, 422-431.	2.0	19
82	Switching between voltammetry and potentiometry in order to determine H^+ or OH^- ion concentration over the entire pH scale by means of tungsten disk electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 665, 83-89.	1.9	18
83	Oxygen reduction reaction of Pt-In alloy: Combined theoretical and experimental investigations. <i>Electrochimica Acta</i> , 2013, 114, 706-712.	2.6	17
84	Lattice mismatch as the descriptor of segregation, stability and reactivity of supported thin catalyst films. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1524-1530.	1.3	17
85	Nanocarbons derived from polymers for electrochemical energy conversion and storage " A review. <i>Synthetic Metals</i> , 2018, 246, 267-281.	2.1	17
86	Particle size effect on N_2O el temperature in Er_2O_3 nanopowder synthesized by thermolysis of 2, 4-pentadione complex. <i>Solid State Communications</i> , 2007, 144, 310-314.	0.9	16
87	Multiple hydriding/dehydriding of $Zr_{1.02}Ni_{0.98}$ alloy. <i>International Journal of Hydrogen Energy</i> , 1999, 24, 449-454.	3.8	15
88	Oxidative polymerization of anilinium 5-sulfosalicylate with peroxydisulfate in water. <i>Chemical Papers</i> , 2010, 64, .	1.0	15
89	Improved compressive strength of alkali activated slag upon heating. <i>Materials Letters</i> , 2014, 133, 251-254.	1.3	15
90	Electrical properties of multidoped ceria. <i>Ceramics International</i> , 2014, 40, 9285-9292.	2.3	15

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91	Electric conductivity of Na and Ag forms of A and X zeolites. The effect of cluster formation on the conductivity. <i>Solid State Ionics</i> , 1991, 47, 111-115.	1.3	14
92	TaO templated growth of droplet-like platinum particles by potentiodynamic polarization of tantalum in aqueous solution of hexachloroplatinic acid. <i>Electrochemistry Communications</i> , 2005, 7, 797-802.	2.3	14
93	Electrical characterization of multidoped ceria ceramics. <i>Ceramics International</i> , 2013, 39, 1249-1255.	2.3	14
94	Synthesis and characterization of acid silver salts of 12-tungstophosphoric acid. <i>Inorganica Chimica Acta</i> , 2013, 407, 197-203.	1.2	14
95	Versatile insertion capability of Na _{1.2} V ₃ O ₈ nanobelts in aqueous electrolyte solutions. <i>Electrochimica Acta</i> , 2014, 147, 167-175.	2.6	14
96	Theoretical studies in catalysis and electrocatalysis: from fundamental knowledge to catalyst design. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 5-32.	0.8	14
97	Sodium storage via single epoxy group on graphene – The role of surface doping. <i>Electrochimica Acta</i> , 2019, 297, 523-528.	2.6	14
98	Electrochemical properties of nanostructured Li _{1.2} V ₃ O ₈ in aqueous LiNO ₃ solution. <i>Electrochimica Acta</i> , 2011, 56, 6469-6473.	2.6	13
99	DFT study of chlorine adsorption on bimetallic surfaces - Case study of Pd ₃ M and Pt ₃ M alloy surfaces. <i>Electrochimica Acta</i> , 2014, 130, 453-463.	2.6	13
100	Complex insight into the charge storage behavior of active carbons obtained by carbonization of the plane tree seed. <i>Electrochimica Acta</i> , 2016, 222, 156-171.	2.6	13
101	Adsorption of Acetonitrile on Platinum and its Effects on Oxygen Reduction Reaction in Acidic Aqueous Solutions – Combined Theoretical and Experimental Study. <i>Electrocatalysis</i> , 2016, 7, 235-248.	1.5	13
102	Mild electrochemical oxidation of zeolite templated carbon in acidic solutions, as a way to boost its charge storage properties in alkaline solutions. <i>Carbon</i> , 2018, 138, 369-378.	5.4	13
103	Electrochemical tuning of capacitive response of graphene oxide. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22698-22709.	1.3	13
104	Oxygen reduction on potentiodynamically formed Pd/TiO ₂ composite electrodes. <i>Electrochimica Acta</i> , 2012, 69, 174-180.	2.6	12
105	A Kinetic Study of the Nonisothermal Decomposition of Palladium Acetylacetonate Investigated by Thermogravimetric and X-Ray Diffraction Analysis Determination of Distributed Reactivity Model. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 609-624.	1.1	11
106	Fluorine adsorption on transition metal surfaces: A DFT study. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1763-1773.	0.4	11
107	The influence of oxygen vacancy concentration in nanodispersed non-stoichiometric CeO _{2-x} oxides on the physico-chemical properties of conducting polyaniline/CeO ₂ composites. <i>Electrochimica Acta</i> , 2019, 306, 506-515.	2.6	11
108	Theoretical analysis of doped graphene as cathode catalyst in Li-O ₂ and Na-O ₂ batteries – the impact of the computational scheme. <i>Electrochimica Acta</i> , 2020, 354, 136735.	2.6	11

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109	Electrochemical behaviour of the solid electrolyte Ag ₆ I ₄ WO ₄ . <i>Electrochimica Acta</i> , 1983, 28, 35-41.	2.6	10
110	Electrical conductivity of the solid system AgI-Sb ₂ S ₃ . <i>Solid State Ionics</i> , 1983, 11, 143-149.	1.3	10
111	Electrochemical reduction of thin graphene-oxide films in aqueous solutions – Restoration of conductivity. <i>Electrochimica Acta</i> , 2022, 410, 140046.	2.6	10
112	Enhancement of hydrogen evolution reaction kinetics in alkaline media by fast galvanic displacement of nickel with rhodium – From smooth surfaces to electrodeposited nickel foams. <i>Electrochimica Acta</i> , 2022, 414, 140214.	2.6	10
113	Electrochemical Synthesis and Structure of Poly(2-methyl-1-naphthylamine) Films. <i>Spectroscopy Letters</i> , 2003, 36, 151-165.	0.5	9
114	The use of NaX zeolite as a template to obtain a mono-atomic Pt dispersion by impregnation with Pt(II) acetylacetonate/acetone solution. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 1113-1123.	0.4	9
115	Modification of glassy carbon properties under low energy proton irradiation. <i>Carbon</i> , 2011, 49, 3737-3746.	5.4	9
116	The synthesis of single phase WC nanoparticles/C composite by solid state reaction involving nitrogen-rich carbonized polyaniline. <i>Ceramics International</i> , 2013, 39, 8761-8765.	2.3	9
117	Structural, morphological and electrical properties of Ce _{1-x} Ru _x O ₂ (x=0.005-0.02) solid solutions. <i>Ceramics International</i> , 2016, 42, 14011-14020.	2.3	9
118	Thermogravimetric study of the reduction of CuO-WO ₃ oxide mixtures in the entire range of molar ratios. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 77-90.	2.0	9
119	Carbon-Supported Mo ₂ C for Oxygen Reduction Reaction Electrocatalysis. <i>Nanomaterials</i> , 2020, 10, 1805.	1.9	9
120	High Al-ion storage of vine shoots-derived activated carbon: New concept for affordable and sustainable supercapacitors. <i>Journal of Power Sources</i> , 2022, 538, 231561.	4.0	9
121	Kinetics of tantalum hydriding: the effect of palladization. <i>International Journal of Hydrogen Energy</i> , 2000, 25, 1069-1073.	3.8	8
122	Electrochemical behavior of silver-impregnated Al-pillared smectite in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1621-1627.	1.2	8
123	The influence of synthesis conditions on the redox behaviour of LiFePO ₄ in aqueous solution. <i>Journal of Alloys and Compounds</i> , 2019, 776, 475-485.	2.8	8
124	Reactivity Screening of Single Atoms on Modified Graphene Surface: From Formation and Scaling Relations to Catalytic Activity. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001814.	1.9	8
125	How to Obtain Maximum Environmental Applicability from Natural Silicates. <i>Catalysts</i> , 2022, 12, 519.	1.6	8
126	Electrochemical polymerization of 2-methyl-1-naphthylamine. <i>Polymer Bulletin</i> , 2003, 50, 319-326.	1.7	7

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127	Tailoring the morphology and electrocatalytic properties of electrochemically formed Ag/TiO ₂ composite deposits on titanium surfaces. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1403-1418.	0.4	7
128	Hydridic, thermodynamic and kinetic properties of Hf ₂ Ni intermetallic phase. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3764-3770.	3.8	7
129	A rotating tungsten disc electrode in concentrated strong alkaline solutions: An electroanalytical aspect. <i>Journal of Electroanalytical Chemistry</i> , 2011, 654, 102-107.	1.9	6
130	Dimethylsulfoxide as a modifier of platinum electrocatalytic activity toward oxygen reduction reaction in aqueous solutions: Combined theoretical and experimental study. <i>Journal of Electroanalytical Chemistry</i> , 2014, 714-715, 11-18.	1.9	6
131	Electrochemical lithiation/delithiation kinetics and capacity of phosphate tungsten bronze and its chemically pre-lithiated derivatives in aqueous solutions. <i>Journal of Materials Science</i> , 2016, 51, 2481-2489.	1.7	6
132	Kinetic and structural aspects of tantalum hydride formation. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 657-663.	0.4	6
133	What Is the Real State of Single-Atom Catalysts under Electrochemical Conditions? From Adsorption to Surface Pourbaix Plots?. <i>Catalysts</i> , 2021, 11, 1207.	1.6	6
134	Halogen Adsorption on Pt(111) and Palladium Monolayer Electrocatalysts: DFT Study. <i>ECS Transactions</i> , 2010, 25, 79-87.	0.3	5
135	Mg ₂ KH(XO ₄) ₂ ·15H ₂ O (X = P, As) containing acidic dimer units: Electrochemical impedance spectroscopy, IR spectroscopy and DSC studies. <i>Journal of Alloys and Compounds</i> , 2018, 746, 699-709.	2.8	5
136	Recycling of LiCo _{0.59} Mn _{0.26} Ni _{0.15} O ₂ cathodic material from spent Li-ion batteries by the method of the citrate gel combustion. <i>Hemijaska Industrija</i> , 2017, 71, 211-220.	0.3	4
137	Temperature effect on graphite KS44. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 119-130.	0.4	4
138	Examination of the kinetics of Zr _{1.02} Ni _{0.98} alloy hydriding. <i>Journal of the Serbian Chemical Society</i> , 1999, 64, 745-752.	0.4	4
139	Electrochemical behaviour of the solid ionic conductor Ag ₇ I ₄ PO ₄ . <i>Electrochimica Acta</i> , 1983, 28, 1749-1755.	2.6	3
140	Fast dimerisation of the triparaquat radical dication. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4310-4315.	1.3	3
141	Gel-combustion synthesis of CoSb ₂ O ₆ and its reduction to powdery Sb ₂ Co alloy. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 53-60.	0.4	3
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