Slobodan Milonjic

List of Publications by Year
in descending order

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90 papers	3,070 citations	236833 25 h-index	161767 54 g-index
92 all docs	92 docs citations	92 times ranked	3638 citing authors

#	Article	IF	Citations
1	A consideration of the correct calculation of thermodynamic parameters of adsorption. Journal of the Serbian Chemical Society, 2007, 72, 1363-1367.	0.4	441
2	Point of zero charge and intrinsic equilibrium constants of activated carbon cloth. Carbon, 1999, 37, 477-481.	5.4	346
3	Adsorption of Pb2+, Cd2+ and Sr2+ ions onto natural and acid-activated sepiolites. Applied Clay Science, 2007, 37, 47-57.	2.6	196
4	Sorption of selenium anionic species on apatites and iron oxides from aqueous solutions. Journal of Environmental Radioactivity, 2003, 70, 61-72.	0.9	144
5	Adsorption of zinc, cadmium and mercury ions from aqueous solutions on an activated carbon cloth. Carbon, 2002, 40, 1109-1115.	5.4	138
6	The heat of immersion of natural magnetite in aqueous solutions. Thermochimica Acta, 1975, 11, 261-266.	1.2	137
7	The effect of temperature on the properties of hydroxyapatite precipitated from calcium hydroxide and phosphoric acid. Thermochimica Acta, 2001, 374, 13-22.	1.2	134
8	Adsorption of Pb2+, Cd2+ and Sr2+ ions onto natural and acid-activated sepiolites. Applied Clay Science, 2007, 37, 47-57.	2.6	114
9	Point of Zero Charge and Isoelectric Point of Alumina. Materials and Manufacturing Processes, 2008, 23, 615-619.	2.7	99
10	Point of zero charge of different carbides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 1-6.	2.3	96
11	Determination of surface ionization and complexation constants at colloidal silica/electrolyte interface. Colloids and Surfaces, 1987, 23, 301-312.	0.9	72
12	Synthesis and surface characterization of ordered mesoporous silica SBA-15. Materials Chemistry and Physics, 2010, 124, 1248-1252.	2.0	67
13	The properties of carbon-supported hydrous ruthenium oxide obtained from RuOxHy sol. Electrochimica Acta, 2003, 48, 3805-3813.	2.6	64
14	The influence of the aging time of RuO2 and TiO2 sols on the electrochemical properties and behavior for the chlorine evolution reaction of activated titanium anodes obtained by the sol-gel procedure. Electrochimica Acta, 2000, 46, 415-421.	2.6	59
15	Opposite effects of nanocrystalline fullerene (C60) on tumour cell growth in vitro and in vivo and a possible role of immunosupression in the cancer-promoting activity of C60. Biomaterials, 2009, 30, 6940-6946.	5.7	42
16	The influence of cationic impurities in silica on its crystallization and point of zero charge. Journal of Colloid and Interface Science, 2007, 309, 155-159.	5.0	41
17	Fluorescence Quenching of 5,5â€²-Disulfopropyl-3,3â€²-dichlorothiacyanine Dye Adsorbed on Gold Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 6567-6577.	1.5	38
18	Morphology and the isoelectric point of nanosized aqueous ceria sols. Materials Chemistry and Physics, 2014, 148, 868-873.	2.0	36

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19	A gas chromatographic study of the adsorption of organics on thermally treated silicas. Chromatographia, 1984, 19, 342-346.	0.7	33
20	A relation between the amounts of sorbed alkali cations and the stability of colloidal silica. Colloids and Surfaces, 1992, 63, 113-119.	0.9	33
21	Determination of isoelectric points of metals and metallic alloys by adhesion of latex particles. Journal of Colloid and Interface Science, 2009, 337, 449-455.	5.0	32
22	Electrochemical synthesis and characterization of hydroxyapatite powders. Materials Chemistry and Physics, 2008, 111, 137-142.	2.0	31
23	A comparison of sol-gel derived silicon carbide powders from saccharose and activated carbon. Ceramics International, 1995, 21, 271-276.	2.3	29
24	Influence of natural zeolitic tuff and organozeolites surface charge on sorption of ionizable fumonisin B1. Colloids and Surfaces B: Biointerfaces, 2010, 76, 272-278.	2.5	27
25	Sorption of alkali cations at the zirconium oxide/ aqueous electrolyte interface. Colloids and Surfaces, 1983, 6, 167-174.	0.9	25
26	Influence of synthesis parameters on the structure of boehmite sol particles. Powder Technology, 2003, 133, 185-189.	2.1	25
27	Morphology of RuO2â€“TiO2 coatings and TEM characterization of oxide sols used for their preparation. Journal of Colloid and Interface Science, 2003, 263, 68-73.	5.0	25
28	Surface characterization of macroporous glycidyl methacrylate based copolymers by inverse gas chromatography. European Polymer Journal, 2005, 41, 1234-1242.	2.6	25
29	Comments on â€œremoval of uranium (VI) from aqueous solution by adsorption of hematiteâ€ by X. Shuibo, Z. Chun, Z. Xinghuo, Y. Jing, Z. Xiaojian, W. Jingsong. Journal of Environmental Radioactivity, 2009, 100, 921-922.	0.9	25
30	Deposition of hematite particles on polypropylene walls in dynamic conditions. Journal of Colloid and Interface Science, 2009, 330, 284-291.	5.0	20
31	Influence of boric acid concentration on silicon carbide morphology. Journal of Materials Science Letters, 1995, 14, 1052-1054.	0.5	19
32	Synthesis and Characterization of Stable Aqueous Ceria Sols. Materials and Manufacturing Processes, 2009, 24, 1080-1085.	2.7	18
33	Electrocatalytic activity of sol-gel-prepared RuO2/Ti anode in chlorine and oxygen evolution reactions. Russian Journal of Electrochemistry, 2006, 42, 1055-1060.	0.3	16
34	The effect of the addition of colloidal iridium oxide into solâ€“gel obtained titanium and ruthenium oxide coatings on titanium on their electrochemical properties. Physical Chemistry Chemical Physics, 2010, 12, 7521.	1.3	16
35	Adsorption and fluorescence quenching of 5,5â€²-disulfopropyl-3,3â€²-dichlorothiacyanine dye on gold nanoparticles. New Journal of Chemistry, 2013, 37, 743.	1.4	16
36	Dynamic adsorption of uranium(VI) and zirconium(IV) on silica gel. Journal of Radioanalytical and Nuclear Chemistry, 1992, 158, 79-90.	0.7	15

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37	Adsorption of itaconic acid from aqueous solutions onto alumina. Journal of the Serbian Chemical Society, 2008, 73, 825-834.	0.4	15
38	Synthesis of zirconia colloidal dispersions by forced hydrolysis. Journal of the Serbian Chemical Society, 2006, 71, 613-619.	0.4	15
39	On the mechanism of ion exchange in zirconium phosphatesâ€"XVIII Effect of crystallinity upon the K+î—¸H+ exchange of Î±-zirconium phosphate. Journal of Inorganic and Nuclear Chemistry, 1978, 40, 79-85.	0.5	14
40	Particle size analysis: ⁹⁰Y and ^{99m}Tcâ€labelled colloids. Journal of Microscopy, 2008, 232, 601-604.	0.8	14
41	Comments on â€œfactors influencing the removal of divalent cations by hydroxyapatiteâ€. Journal of Hazardous Materials, 2009, 162, 1588-1589.	6.5	14
42	Sorption of alkaline-earth cations on amorphous zirconium oxide. Colloids and Surfaces, 1990, 46, 283-296.	0.9	13
43	Characterization of colloidal chromia particles obtained by forced hydrolysis. Materials Research Bulletin, 2003, 38, 1329-1339.	2.7	13
44	Determination of intrinsic equilibrium constants at alumina/electrolyte interface. Journal of the Serbian Chemical Society, 2004, 69, 1063-1072.	0.4	13
45	Influence of temperature on the ultrafiltration of silica sol in a stirred cell. Journal of Membrane Science, 1992, 66, 9-17.	4.1	12
46	Determination of thermodynamic properties of macroporous glycidyl methacrylate-based copolymers by inverse gas chromatography. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2524-2533.	2.4	12
47	Differences in the electrochemical behavior of ruthenium and iridium oxide in electrocatalytic coatings of activated titanium anodes prepared by the sol-gel procedure. Journal of the Serbian Chemical Society, 2010, 75, 1413-1420.	0.4	12
48	The influence of chemical and thermal treatment on the point of zero charge of hydrous zirconium oxide. Journal of the Serbian Chemical Society, 2013, 78, 987-995.	0.4	12
49	On the mechanism of ion exchange in zirconium phosphatesâ€"XXIX Calorimetric determination of heats of K+-H+ exchange with Î±-zirconium phosphate. Journal of Inorganic and Nuclear Chemistry, 1981, 43, 165-169.	0.5	11
50	The role of the concentration profile of titanium oxide on the electrochemical behavior of RuO2-TiO2 coatings obtained by the sol-gel procedure. Journal of the Serbian Chemical Society, 2003, 68, 979-988.	0.4	11
51	Thermodynamics of molecular association. Journal of Chromatography A, 1977, 139, 1-13.	1.8	9
52	Thermodynamics of adsorption of organic liquids on Ni-modified solid obtained from collodal silica. Chromatographia, 1988, 26, 387-392.	0.7	9
53	A gas chromatographic study of the adsorption of organics on thermally treated clinoptilolite. Chromatographia, 1989, 27, 306-310.	0.7	9
54	Adsorption of n-Alkanes on Silicon Nitride Nanopowder. Journal of the American Ceramic Society, 2005, 88, 1875-1878.	1.9	9

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55	Natural magnetite as an adsorbent in gas-solid chromatography. Journal of Chromatography A, 1979, 172, 357-361.	1.8	8
56	Heat of immersion of silica in water. Thermochimica Acta, 1984, 78, 341-350.	1.2	8
57	Low-pressure adsorption of gases on heterogeneous solid surfaces and the virial description formalism. Journal of Colloid and Interface Science, 1985, 104, 297-310.	5.0	8
58	Flux Decline and Gel Resistance in Unstirred Ultrafiltration of Aluminium Hydrous Oxide Sols. Journal of Colloid and Interface Science, 1995, 176, 491-494.	5.0	8
59	THE ROLE OF SOL-GEL PROCEDURE CONDITIONS IN ELECTROCHEMICAL BEHAVIOR AND CORROSION STABILITY OF Ti/[RuO₂-TiO₂] ANODES. Materials and Manufacturing Processes, 2005, 20, 89-103.	2.7	8
60	Chromatographic and adsorptive properties of mercury sulfide. Chromatographia, 1980, 13, 226-230.	0.7	7
61	Adsorption of organic liquids on alkaline earth-metal modified silica. Chromatographia, 1988, 26, 324-328.	0.7	7
62	Kinetics of 1,8-dihydroxy-2-(pyrazol-5-ylazo)-naphthalene-3,6-disulphonic acid immobilization on anion exchangers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 215, 277-284.	2.3	7
63	Activity and stability of RuO2-coated titanium anodes prepared via the alkoxide route. Journal of the Serbian Chemical Society, 2006, 71, 1173-1186.	0.4	7
64	Protective ability and impedance response of solâ€“gel reversely transformed ceria conversion coating on aluminium. Journal of Solid State Electrochemistry, 2016, 20, 293-303.	1.2	7
65	Influence of organic cations sorption on the point of zero charge of natural zeolite. Hemijska Industrija, 2009, 63, 325-330.	0.3	7
66	Inverse gas chromatrography of chromia. Part II. Finite surface coverage. Journal of the Serbian Chemical Society, 2002, 67, 165-178.	0.4	7
67	Characterization of Glycidyl Methacrylate Based Copolymers by Inverse Gas Chromatography under Finite Surface Coverage. Macromolecular Materials and Engineering, 2005, 290, 884-890.	1.7	6
68	Stability of alumina suspensions in the presence of Tiron. Ceramics International, 2008, 34, 23-26.	2.3	6
69	Comments on the authorsâ€™ response to the comments on â€œFactors influencing the removal of divalent cations by hydroxyapatiteâ€ by Smiciklas et al.. Journal of Hazardous Materials, 2010, 176, 1126-1127.	6.5	6
70	An Inverse Gas Chromatography Study of the Adsorption of Organics on Nickel- and Copper-Hexacyanoferrates at Zero Surface Coverage. Journal of Colloid and Interface Science, 2002, 251, 10-17.	5.0	5
71	Ultrafiltration of silica sols. Collection of Czechoslovak Chemical Communications, 1989, 54, 91-101.	1.0	5
72	The effect of the composition of the dispersing medium of oxide sols on the electrocatalytic activity of sol-gel obtained RuO2-TiO2/Ti anodes. Journal of the Serbian Chemical Society, 2001, 66, 847-857.	0.4	5

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73	Characteristic performances of a Thermometric (LKB) multichannel microcalorimeter and its use for determination of heats of mixing of concentrated electrolytes. Thermochimica Acta, 1992, 195, 303-311.	1.2	4
74	Heat capacities of sodium carbonate-sodium bicarbonate aqueous solution mixtures. Thermochimica Acta, 1995, 257, 111-115.	1.2	4
75	Sorption of tungsten on alumina in dynamic conditions. Journal of Radioanalytical and Nuclear Chemistry, 2005, 267, 67-72.	0.7	4
76	Investigation of the System: Tri-n-Butyl Phosphate-n-Tetradecane by Gas-Liquid Chromatography. Journal of Chromatographic Science, 1979, 17, 253-258.	0.7	3
77	The heat of mixing of sodium carbonate and sodium bicarbonate aqueous solutions and its temperature dependence. Thermochimica Acta, 1994, 235, 39-48.	1.2	3
78	NANOSTRUCTURED ZrO2 POWDER SYNTHESIZED BY ULTRASONIC SPRAY PYROLYSIS. Surface Review and Letters, 2007, 14, 915-919.	0.5	3
79	Concentration of rhenium from dilute sodium chloride solutions. Journal of the Serbian Chemical Society, 2008, 73, 333-339.	0.4	3
80	Determination of uranium in organic solutions by inductively coupled plasma atomic emission spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 1992, 158, 23-30.	0.7	2
81	Determination of40K and137Cs concentration in selected honey samples. Journal of Radioanalytical and Nuclear Chemistry, 1995, 199, 465-469.	0.7	2
82	Microcalorimetric studies of electrolyte mixtures: HClâ€“GaCl3. Thermochimica Acta, 2000, 351, 153-157.	1.2	2
83	Sorption of rhenium on alumina under dynamic conditions. Journal of the Serbian Chemical Society, 2007, 72, 555-562.	0.4	2
84	Determination of uranium in wet phosphoric acid by extraction with octylphenylphosphoric acid. Journal of Radioanalytical and Nuclear Chemistry, 1986, 99, 279-286.	0.7	1
85	Separation of tungsten and rhenium on alumina in dynamic conditions. Journal of Radioanalytical and Nuclear Chemistry, 2007, 273, 357-362.	0.7	1
86	Determination of Surface Properties of Various Oxides and Sulfides by Inverse Gas Chromatography. Materials and Manufacturing Processes, 2009, 24, 1086-1089.	2.7	1
87	Stability of zirconia sol in the presence of various inorganic electrolytes. Journal of the Serbian Chemical Society, 2013, 78, 1975-1982.	0.4	1
88	A comparative analysis of scientific outputs of countries formed from former Yugoslav republics and other countries for the period 2008-2012. Journal of the Serbian Chemical Society, 2017, 82, 1075-1085.	0.4	1
89	Application of inverse gas chromatography for polymer characterization. Hemijska Industrija, 2007, 61, 342-349.	0.3	0
90	Comments on the article entitled Adsorption of strontium on different sodium-enriched bentonites by Sonja R. Marinovic, Marija J. Ajdukovic, Natasa P. Jovic-Jovicic, Tihana M. Mudrinic, Bojana N. Nedic-Vasiljevic, Predrag T. Bankovic and Aleksandra D. Milutinovic-Nikolic, published in the Journal of the Serbian chemical society, volume 82, issue 4, 2017, pp. 449-463. Journal of the Serbian Chemical Society, 2018, 83, 391-393.	0.4	0