Aleksandar MarinkoviÄ

List of Publications by Year
in descending order

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97 papers	1,195 citations	430442 18 h-index	454577 30 g-index
97 all docs	97 docs citations	97 times ranked	1674 citing authors

#	Article	IF	Citations
1	Synthesis, characterization and cytotoxicity of surface amino-functionalized water-dispersible multi-walled carbon nanotubes. Applied Surface Science, 2009, 255, 8067-8075.	3.1	150
2	Arsenic removal by magnetite-loaded amino modified nano/microcellulose adsorbents: Effect of functionalization and media size. Arabian Journal of Chemistry, 2019, 12, 4675-4693.	2.3	64
3	Synthesis of Nâ€Substituted 4,6â€Dimethylâ€3â€cyanoâ€2â€pyridones Under Microwave Irradiation. Synthetic Communications, 2006, 36, 193-198.	1.1	54
4	Efficient arsenic removal by cross-linked macroporous polymer impregnated with hydrous iron oxide: Material performance. Chemical Engineering Journal, 2015, 279, 66-78.	6.6	48
5	New composites based on waste PET and non-metallic fraction from waste printed circuit boards: Mechanical and thermal properties. Composites Part B: Engineering, 2017, 127, 1-14.	5.9	41
6	The removal of Zn2+, Pb2+, and As(V) ions by lime activated fly ash and valorization of the exhausted adsorbent. Waste Management, 2018, 78, 366-378.	3.7	40
7	Immobilization of laccase from Myceliophthora thermophila on functionalized silica nanoparticles: Optimization and application in lindane degradation. Chinese Journal of Chemical Engineering, 2020, 28, 1136-1144.	1.7	33
8	Zn(<scp>ii</scp>) complex with 2-quinolinecarboxaldehyde selenosemicarbazone: synthesis, structure, interaction studies with DNA/HSA, molecular docking and caspase-8 and -9 independent apoptose induction. RSC Advances, 2015, 5, 95191-95211.	1.7	31
9	Efficient multistep arsenate removal onto magnetite modified fly ash. Journal of Environmental Management, 2018, 224, 263-276.	3.8	31
10	Co(<scp>iii</scp>) complexes of (1,3-selenazol-2-yl)hydrazones and their sulphur analogues. Dalton Transactions, 2017, 46, 2910-2924.	1.6	29
11	Optimization of Al2O3 particle modification and UHMWPE fiber oxidation of EVA based hybrid composites: Compatibility, morphological and mechanical properties. Composites Part B: Engineering, 2018, 153, 36-48.	5.9	29
12	Synthesis, structure and solvatochromic properties of some novel 5-arylazo-6-hydroxy-4-(4-methoxyphenyl)-3-cyano-2-pyridone dyes: Hydrazone-azo tautomeric analysis. Arabian Journal of Chemistry, 2015, 8, 269-278.	2.3	27
13	Novel Î²-galactosidase nanobiocatalyst systems for application in the synthesis of bioactive galactosides. RSC Advances, 2016, 6, 97216-97225.	1.7	24
14	Efficient pollutants removal by amino-modified nanocellulose impregnated with iron oxide. Journal of the Serbian Chemical Society, 2016, 81, 1199-1213.	0.4	22
15	Cyanuric chloride functionalized silica nanoparticles for covalent immobilization of lipase. Journal of Chemical Technology and Biotechnology, 2016, 91, 439-448.	1.6	21
16	Influence of different pore-forming agents on wollastonite microstructures and adsorption capacities. Ceramics International, 2017, 43, 7461-7468.	2.3	21
17	Immunomodulatory effects of carbon nanotubes functionalized with a Toll-like receptor 7 agonist on human dendritic cells. Carbon, 2014, 67, 273-287.	5.4	20
18	Quinoline based mono- and bis-(thio)carbohydrazones: synthesis, anticancer activity in 2D and 3D cancer and cancer stem cell models. RSC Advances, 2016, 6, 104763-104781.	1.7	19

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19	Co(III) complex with (E)-2-(2-(pyridine-2-ylmethylene)hydrazinyl)-4-(4-tolyl)-1,3-thiazole: structure and activity against 2-D and 3-D cancer cell models. Journal of Coordination Chemistry, 2016, 69, 3354-3366.	0.8	17
20	Substituent and solvent effects on intramolecular charge transfer of 5-arylidene-2,4-thiazolidinediones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 500-507.	2.0	16
21	Ni(<scp>ii</scp>) complex with bishydrazone ligand: synthesis, characterization, DNA binding studies and pro-apoptotic and pro-differentiation induction in human cancerous cell lines. RSC Advances, 2016, 6, 108726-108740.	1.7	16
22	Synthesis, antioxidant and antimicrobial activity of carbohydrazones. Journal of the Serbian Chemical Society, 2017, 82, 495-508.	0.4	16
23	PMMA-Y2O3 (Eu3+) nanocomposites: Optical and mechanical properties. Journal of the Serbian Chemical Society, 2011, 76, 1153-1161.	0.4	15
24	A study of photocatalytic degradation of textile dye CI basic yellow 28 in water using P160 TiO2 based catalyst. Journal of the Serbian Chemical Society, 2012, 77, 1747-1757.	0.4	15
25	Effects of oxidized/treated nonâ€metallic fillers obtained from waste printed circuit boards on mechanical properties and shrinkage of unsaturated polyesterâ€based composites. Polymer Composites, 2019, 40, 1170-1186.	2.3	15
26	Origins of Polycyclic Aromatic Hydrocarbons in Sediments from the Danube and Sava Rivers and Their Tributaries in Serbia. Polish Journal of Environmental Studies, 2020, 29, 2101-2110.	0.6	15
27	Palladium(II) Complexes with N â€Heteroaromatic Bidentate Hydrazone Ligands: The Effect of the Chelate Ring Size and Lipophilicity on in vitro Cytotoxic Activity. Chemical Biology and Drug Design, 2014, 84, 333-341.	1.5	14
28	The photocatalytic degradation of carbofuran and Furadan 35-ST: the influence of inert ingredients. Environmental Science and Pollution Research, 2017, 24, 13808-13822.	2.7	14
29	Amino-modified kraft lignin microspheres as a support for enzyme immobilization. RSC Advances, 2020, 10, 21495-21508.	1.7	13
30	Synthesis of azo pyridone dyes. Hemijska Industrija, 2011, 65, 517-532.	0.3	13
31	Removal of heavy metals from water using multistage functionalized multiwall carbon nanotubes. Journal of the Serbian Chemical Society, 2017, 82, 1175-1191.	0.4	13
32	Synthesis, characterization and biological activities of N-heteroaromatic hydrazones and their complexes with Pd(II), Pt(II) and Cd(II). Transition Metal Chemistry, 2010, 35, 765-772.	0.7	12
33	Epoxy-silanizationÂ-Âtool for improvement of silica nanoparticles as support for lipase immobilization with respect to esterification activity. Journal of Chemical Technology and Biotechnology, 2016, 91, 2654-2663.	1.6	12
34	Effect of surface activation of alumina particles on the performances of thermosetting-based composite materials. Journal of Composite Materials, 2019, 53, 2727-2742.	1.2	12
35	Mechanical properties of composites based on unsaturated polyester resins obtained by chemical recycling of poly(ethylene terephthalate). Hemijska Industrija, 2013, 67, 913-922.	0.3	12
36	Improvement of cavitation resistance of composite films using functionalized alumina particles. Hemijska Industrija, 2018, 72, 205-213.	0.3	12

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37	Processing and nanomechanical properties of chitosan/polyethylene oxide blend films. Journal of the Serbian Chemical Society, 2012, 77, 1723-1733.	0.4	10
38	Enhanced Interface Adhesion by Novel Eco-Epoxy Adhesives Based on the Modified Tannic Acid on Al and CFRP Adherends. Polymers, 2020, 12, 1541.	2.0	10
39	Microwave assisted synthesis of 2-pyridone and 2-pyridone based compounds. Hemijska Industrija, 2014, 68, 1-14.	0.3	10
40	The influence of alumina particle modification on the adhesion of the polyacrylate matrix composite films and the metal substrate. Composite Interfaces, 2019, 26, 417-430.	1.3	9
41	Synthesis, structure and solvatochromic properties of 5-(3- and 4-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (	0.4	8
42	Synthesis of tetraalkyl thiuram disulfides using different oxidants in recycling solvent mixture. Chemical Industry and Chemical Engineering Quarterly, 2012, 18, 73-81.	0.4	8
43	Substituent effect on IR, 1H and 13C NMR spectral data in n-(substituted phenyl)-2-cyanoacetamides: A correlation study. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 67-78.	0.4	8
44	Solvent and structural effects in tautomeric 3-cyano-4-(substituted phenyl)-6-phenyl-2(1H)-pyridones: experimental and quantum chemical study. Structural Chemistry, 2014, 25, 1257-1270.	1.0	8
45	A study of the barrier properties of polyethylene coated with a nanocellulose/magnetite composite film. Journal of the Serbian Chemical Society, 2016, 81, 589-605.	0.4	8
46	Solvatochromism of isatin based Schiff bases: An LSER and LFER study. Journal of the Serbian Chemical Society, 2016, 81, 979-997.	0.4	8
47	A microwave approach to the synthesis of certain 4-substituted phenyl-6-phenyl-3-cyano-2-pyridones. Journal of the Serbian Chemical Society, 2014, 79, 759-765.	0.4	7
48	Photolysis of insecticide methomyl in various solvents: An experimental and theoretical study. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 391, 112366.	2.0	7
49	Simple one-pot synthesis of thioureas from amine, carbon disulfide and oxidants in water. Journal of the Serbian Chemical Society, 2016, 81, 219-231.	0.4	7
50	Preparation and properties of hydrogen peroxide oxidized starch for industrial use. Hemijska Industrija, 2020, 74, 25-36.	0.3	7
51	Synthesis of N-and N,N-dialkyl-S-alkylthiolcarbamates by the rearrangement of N-and N,N-dialkyl-O-thioncarbamates. Hemijska Industrija, 2006, 60, 27-32.	0.3	6
52	A green approach to starch modification by solvent-free method with betaine hydrochloride. International Journal of Biological Macromolecules, 2021, 193, 1962-1971.	3.6	6
53	Separation and determination of dimethylarsenate in natural waters. Journal of the Serbian Chemical Society, 2012, 77, 775-788.	0.4	5
54	Experimental and theoretical study on solvent and substituent effects on the intramolecular charge transfer in 3-[(4-substituted)phenylamino]isobenzofuran-1(3H)-ones. Journal of the Serbian Chemical Society, 2018, 83, 139-155.	0.4	5

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55	Substituent and structural effects on the kinetics of the reaction of N-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 T Chemical Society, 2007, 72, 1191-1200.	0.4	4
56	13C- and 1H-NMR substituent-induced chemical shifts in N(1)-(4-substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (phenyl)-3-cy	0.4	4
57	A new ecologically friendly process for the synthesis of selective flotation reagents. Chemical Industry and Chemical Engineering Quarterly, 2009, 15, 257-262.	0.4	4
58	Immobilization of enzymes onto carbon nanotubes. Hemijska Industrija, 2011, 65, 423-430.	0.3	4
59	The comparative study of linear solvatation energy relationship for the reactivity of pyridine carboxylic acids with diazodiphenylmethane in protic and aprotic solvents. Journal of the Serbian Chemical Society, 2012, 77, 1311-1338.	0.4	4
60	Azo-hydrazone tautomerism of aryl azo pyridone dyes. Hemijska Industrija, 2013, 67, 1-15.	0.3	4
61	Optimization of the synthesis of N-alkyl and N,N-dialkyl thioureas from waste water containing ammonium thiocyanate. Chemical Industry and Chemical Engineering Quarterly, 2015, 21, 501-510.	0.4	4
62	Formation of porous wollastonite-based ceramics after sintering with yeast as the pore-forming agent. Science of Sintering, 2017, 49, 235-246.	0.5	4
63	Evaluation of adsorption performance and quantum chemical modeling of pesticides removal using Cell-MG hybrid adsorbent. Science of Sintering, 2021, 53, 355-378.	0.5	4
64	The influence of the size and surface modification of TiO2 nanoparticles on the rheological properties of alkyd resin. Hemijska Industrija, 2013, 67, 923-932.	0.3	3
65	Solvent and structural effects in tautomeric 2(6)-hydroxy-4-methyl-6(2)-oxo-1-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 575-585.	2.0	3
66	Development of protease nanobiocatalysts and their application in hydrolysis of sunflower meal protein isolate. International Journal of Food Science and Technology, 2021, 56, 4287-4297.	1.3	3
67	New method for synthesis of N-alkyl and N,N-dialkyl-O-ethyl and O-isopropylthiocarbamates by oxidation of ammonium salt of xhantogenic acid. Hemijska Industrija, 2010, 64, 401-409.	0.3	3
68	Investigations of the reactivity of pyridine carboxylic acids with diazodiphenylmethane in protic and aprotic solvents, Part I: Pyridine mono-carboxylic acids. Journal of the Serbian Chemical Society, 2005, 70, 557-567.	0.4	3
69	Investigations of the reactivity of pyridine carboxylic acids with diazodiphenylmethane in protic and aprotic solvents: Part II: Pyridine mono-carboxylic acid N-oxides. Journal of the Serbian Chemical Society, 2006, 71, 89-101.	0.4	3
70	Photocatalytic degradation of carbamate insecticides: Effect of different parameters. Pesticidi I Fitomedicina = Pesticides and Phytomedicine, 2019, 34, 193-200.	0.1	3
71	Improving the packaging performance of low-density polyethylene with PCL/nanocellulose/copper(II)oxide barrier layer. Science of Sintering, 2018, 50, 149-161.	0.5	3
72	Influence of temperature and different hydroxides on properties of activated carbon prepared from saccharose. Characterization, thermal degradation kinetic and dyes removal from water solutions. Science of Sintering, 2018, 50, 255-273.	0.5	3

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73	THIN-LAYER CHROMATOGRAPHY ON REVERSED PHASE IN THE CHARACTERIZATION OF RETENTION BEHAVIOUR, LIPOPHILICITY, AND PHARMACOKINETICS OF CYANOACETAMIDE DERIVATIVES. Journal of the Chilean Chemical Society, 2020, 65, 4654-4660.	0.5	3
74	Removal of the As(V) and Sr(VI) from the water using magnetite/3D-printed wollastonite hybrid adsorbent. Science of Sintering, 2022, 54, 105-124.	0.5	3
75	In vitro evaluation of antioxidative activities of the extracts of petals of Paeonia lactiflora and Calendula officinalis incorporated in the new forms of biobased carriers. Food and Feed Research, 2022, , 13-13.	0.2	3
76	Investigation of the reactivity of 4-pyrimidinecarboxylic, 6-hydroxy-4-pyrimidinecarboxylic and 5-hydroxyorotic acids with diazodiphenylmethane in various alcohols: Part III. Journal of the Serbian Chemical Society, 2007, 72, 205-214.	0.4	2
77	Correlation analysis of IR, 1H and 13C NMR spectral data of N-alkyl and N-cycloalkyl cyanoacetamides. Chemical Industry and Chemical Engineering Quarterly, 2011, 17, 307-314.	0.4	2
78	The substituent effects on the 13c chemical shifts of the azomethine carbon atom of n-(phenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.4	2
79	Tailored Adhesion Properties of Acrylate Adhesives on Al Alloys by the Addition of Mn-Alâ€“LDH. Polymers, 2021, 13, 1525.	2.0	2
80	The optimization of zinc dialkyldithiocarbamates synthesis and determination of their antioxidant activity. Chemical Industry and Chemical Engineering Quarterly, 2008, 14, 251-255.	0.4	2
81	Comparative analysis of oxidative synthesis of N-alkyl, N,N-dialkyl and N-cykloalkyl-O-isobutyl thioncarbamate. Hemijska Industrija, 2011, 65, 541-549.	0.3	2
82	Kinetics of the reaction of 5-substituted orotic acids with diazodiphenylmethane. Journal of the Serbian Chemical Society, 2004, 69, 949-953.	0.4	2
83	Kinetic study of the reaction between sodium chloroacetate and potassium ethylxanthogenate. Journal of the Serbian Chemical Society, 2007, 72, 89-100.	0.4	2
84	Photocatalytic degradation of bisphenol a with Î±-Fe2O3 fibers and particles. Science of Sintering, 2019, 51, 265-276.	0.5	2
85	A survey on the characterization and biological activity of isatin derivatives. Journal of the Serbian Chemical Society, 2020, 85, 979-1000.	0.4	2
86	An experimental study of mechanical properties and heat transfer of acrylic composites with structural and surface modified Al2O3 particles. Science of Sintering, 2020, 52, 457-467.	0.5	2
87	A study of photocatalytic degradation of methomyl and its commercial product Lannate-90. Chemical Industry and Chemical Engineering Quarterly, 2020, 26, 237-247.	0.4	2
88	ESI-MS spectra of 3-cyano-4-(substituted phenyl)-6-phenyl-2(1H)-pyridinones. Journal of the Serbian Chemical Society, 2009, 74, 223-235.	0.4	1
89	Effects of solvent and structure on the reactivity of 6-substituted nicotinic acids with diazodiphenylmethane in aprotic solvents. Journal of the Serbian Chemical Society, 2009, 74, 1359-1370.	0.4	1
90	EI/MS/MS spectra of N-monosubstituted cyanoacetamides. Chemical Industry and Chemical Engineering Quarterly, 2010, 16, 387-397.	0.4	1

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91	The effects of solvents and structure on the electronic absorption spectra of the isomeric pyridine carboxylic acid N-oxides. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 385-388.	0.4	1
92	Linear Freeâ€Energy Relationships Applied to the ¹³C NMR Chemical Shifts in 4â€Substituted Nâ€[1â€(Pyridineâ€3â€•and â€4â€yl)ethylidene]anilines. Journal of Heterocyclic Chemistry, 2014, 51, 1442-1451.	1.4	1
93	The kinetics of the reactions of 2-substituted nicotinic acids with diazodiphenylmethane in various alcohols. Journal of the Serbian Chemical Society, 2003, 68, 515-524.	0.4	1
94	Optimization of Active Carbonaceous Material Obtained by Low Hydrothermal Carbonization of Plane Tree Seed with H₃PO₄. Journal of Nano Research, 2017, 48, 71-84.	0.8	0
95	Synthesis and characterization of phencyclidine and his derivatives. Hemijska Industrija, 2010, 64, 389-400.	0.3	0
96	Innovative environmentally friendly technology for copper(II) hydroxide production. Hemijska Industrija, 2018, 72, 363-370.	0.3	0
97	Investigating possibilities for synthesis of novel sorbents and catalyst carriers based on ceramics with controlled open porosity. Hemijska Industrija, 2022, 76, 87-95.	0.3	0