Biljana F AbramoviÄ

List of Publications by Year
in descending order

118 papers	2,634 citations	147801 31 h-index	223800 46 g-index
118 all docs	118 docs citations	118 times ranked	2885 citing authors

#	Article	IF	Citations
1	Photodegradation of thiacloprid using Fe/TiO2 as a heterogeneous photo-Fenton catalyst. Applied Catalysis B: Environmental, 2011, 107, 363-371.	20.2	112
2	Photocatalytic degradation of metoprolol tartrate in suspensions of two TiO2-based photocatalysts with different surface area. Identification of intermediates and proposal of degradation pathways. Journal of Hazardous Materials, 2011, 198, 123-132.	12.4	103
3	Synthesis and Characterization of Rutile TiO2Nanopowders Doped with Iron Ions. Nanoscale Research Letters, 2009, 4, 518-525.	5.7	96
4	Degradation of thiamethoxam and metoprolol by UV, O3 and UV/O3 hybrid processes: Kinetics, degradation intermediates and toxicity. Journal of Hydrology, 2012, 472-473, 314-327.	5.4	95
5	Influence of electron acceptors on the kinetics of metoprolol photocatalytic degradation in TiO₂ suspension. A combined experimental and theoretical study. RSC Advances, 2015, 5, 54589-54604.	3.6	95
6	Photocatalytic oxidation of the herbicide (4-chloro-2-methylphenoxy)acetic acid (MCPA) over TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 140, 249-253.	3.9	79
7	Effect of annealing temperature on structural and optical properties of Mg-doped ZnO nanoparticles and their photocatalytic efficiency in alprazolam degradation. Ceramics International, 2014, 40, 1545-1552.	4.8	72
8	Photodegradation of clopyralid in TiO2 suspensions: Identification of intermediates and reaction pathways. Journal of Hazardous Materials, 2009, 168, 94-101.	12.4	68
9	Degradation of thiacloprid in aqueous solution by UV and UV/H2O2 treatments. Chemosphere, 2010, 81, 114-119.	8.2	63
10	Mechanism of clomazone photocatalytic degradation: hydroxyl radical, electron and hole scavengers. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 67-79.	1.7	61
11	Photomineralization of the herbicide mecoprop dissolved in water sensitized by TiO2. Water Research, 2000, 34, 1473-1478.	11.3	59
12	Validation of an HPLC method for the determination of amino acids in feed. Journal of the Serbian Chemical Society, 2013, 78, 839-850.	0.8	56
13	Removal of alprazolam from aqueous solutions by heterogeneous photocatalysis: Influencing factors, intermediates, and products. Chemical Engineering Journal, 2017, 307, 1105-1115.	12.7	56
14	Efficiency of La-doped TiO2 calcined at different temperatures in photocatalytic degradation of Î²-blockers. Arabian Journal of Chemistry, 2019, 12, 5355-5369.	4.9	54
15	Toxicity assessment of metoprolol and its photodegradation mixtures obtained by using different type of TiO2 catalysts in the mammalian cell lines. Science of the Total Environment, 2013, 463-464, 968-974.	8.0	52
16	Photocatalytic Degradation of Mecoprop and Clopyralid in Aqueous Suspensions of Nanostructured N-doped TiO2. Molecules, 2010, 15, 2994-3009.	3.8	50
17	Surface modification of solâ€“gel synthesized TiO2 nanoparticles induced by La-doping. Materials Characterization, 2014, 88, 30-41.	4.4	46
18	Occurrence of Deoxynivalenol in Maize and Wheat in Serbia. International Journal of Molecular Sciences, 2008, 9, 2114-2126.	4.1	44

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19	Photocatalytic degradation of selected herbicides in aqueous suspensions of doped titania under visible light irradiation. Journal of Hazardous Materials, 2010, 179, 49-56.	12.4	43
20	A comparative study of the activity of TiO2 Wackherr and Degussa P25 in the photocatalytic degradation of picloram. Applied Catalysis B: Environmental, 2011, 105, 191-198.	20.2	42
21	Structuring of water in the new generation ionic liquid â€“ Comparative experimental and theoretical study. Journal of Chemical Thermodynamics, 2016, 93, 164-171.	2.0	42
22	Theoretical investigation of loratadine reactivity in order to understand its degradation properties: DFT and MD study. Journal of Molecular Modeling, 2016, 22, 240.	1.8	39
23	Photocatalytic degradation of metoprolol in water suspension of TiO2 nanopowders prepared using solâ€“gel route. Journal of Sol-Gel Science and Technology, 2012, 61, 390-402.	2.4	38
24	Thermochromism, stability and thermodynamics of cobalt(<scp>ii</scp>) complexes in newly synthesized nitrate based ionic liquid and its photostability. Dalton Transactions, 2014, 43, 15515-15525.	3.3	36
25	Photocatalytic degradation of the herbicide clomazone in natural water using TiO2: Kinetics, mechanism, and toxicity of degradation products. Chemosphere, 2013, 93, 166-171.	8.2	35
26	Renewable silver-amalgam film electrode for voltammetric monitoring of solar photodegradation of imidacloprid in the presence of Fe/TiO2 and TiO2 catalysts. Journal of Electroanalytical Chemistry, 2013, 699, 33-39.	3.8	35
27	Photocatalytic decomposition of selected biologically active compounds in environmental waters using TiO2/polyaniline nanocomposites: Kinetics, toxicity and intermediates assessment. Environmental Pollution, 2018, 239, 457-465.	7.5	35
28	First survey of deoxynivalenol occurrence in crops in Serbia. Food Control, 2008, 19, 545-550.	5.5	34
29	Titanium dioxide mediated photocatalytic degradation of 3-amino-2-chloropyridine. Applied Catalysis B: Environmental, 2004, 48, 213-221.	20.2	33
30	Photocatalytic degradation of alprazolam in water suspension of brookite type TiO2 nanopowders prepared using hydrothermal route. Materials Chemistry and Physics, 2015, 163, 518-528.	4.0	32
31	Novel WO3/Fe3O4 magnetic photocatalysts: Preparation, characterization and thiacloprid photodegradation. Journal of Industrial and Engineering Chemistry, 2019, 70, 264-275.	5.8	32
32	The role of surface defect sites of titania nanoparticles in the photocatalysis: Aging and modification. Applied Catalysis B: Environmental, 2013, 138-139, 122-127.	20.2	30
33	Efficiency of neonicotinoids photocatalytic degradation by using annular slurry reactor. Chemical Engineering Journal, 2016, 286, 184-190.	12.7	30
34	Photocatalytic removal of the insecticide fenitrothion from water sensitized with TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 160, 195-201.	3.9	29
35	Improved efficiency of solâ€“gel synthesized mesoporous anatase nanopowders in photocatalytic degradation of metoprolol. Materials Research Bulletin, 2013, 48, 1363-1371.	5.2	29
36	Ternary and coupled binary zinc tin oxide nanopowders: Synthesis, characterization, and potential application in photocatalytic processes. Materials Research Bulletin, 2015, 62, 114-121.	5.2	29

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37	Co-occurrence of Fumonisins and Deoxynivalenol in Wheat and Maize Harvested in Serbia. Bulletin of Environmental Contamination and Toxicology, 2012, 89, 615-619.	2.7	28
38	Kinetics and the mechanism of the photocatalytic degradation of mesotrione in aqueous suspension and toxicity of its degradation mixtures. Journal of Molecular Catalysis A, 2014, 392, 67-75.	4.8	28
39	Nitrogen-doped TiO2 suspensions in photocatalytic degradation of mecoprop and (4-chloro-2-methylphenoxy)acetic acid herbicides using various light sources. Desalination, 2009, 244, 293-302.	8.2	27
40	Photodegradation of Neonicotinoid Active Ingredients and Their Commercial Formulations in Water by Different Advanced Oxidation Processes. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	26
41	Chemical composition of leaf extracts of Stevia rebaudiana Bertoni grown experimentally in Vojvodina. Journal of the Serbian Chemical Society, 2008, 73, 283-297.	0.8	23
42	Degradation of Thiacloprid by ZnO in a Laminar Falling Film Slurry Photocatalytic Reactor. Industrial & Engineering Chemistry Research, 2013, 52, 5040-5047.	3.7	23
43	Enhancement of nano titanium dioxide coatings by fullerene and polyhydroxy fullerene in the photocatalytic degradation of the herbicide mesotrione. Chemosphere, 2018, 196, 145-152.	8.2	23
44	Photocatalytic degradation of 4-amino-6-chlorobenzene-1,3-disulfonamide stable hydrolysis product of hydrochlorothiazide: Detection of intermediates and their toxicity. Environmental Pollution, 2018, 233, 916-924.	7.5	23
45	Experimental and computational study of hydrolysis and photolysis of antibiotic ceftriaxone: Degradation kinetics, pathways, and toxicity. Science of the Total Environment, 2021, 768, 144991.	8.0	23
46	Photocatalytic activity of synthesized nanosized TiO2 towards the degradation of herbicide mecoprop. Applied Catalysis B: Environmental, 2004, 54, 125-133.	20.2	20
47	Spectroscopic monitoring of photocatalytic degradation of the insecticide acetamiprid and its degradation product 6-chloronicotinic acid on TiO‹sub›2‹/sub›catalyst. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1919-1929.	1.7	20
48	Recovery of high-content Ï‰â€“3 fatty acid oil from raspberry (Rubus idaeus L.) seeds: Chemical composition and functional quality. LWT - Food Science and Technology, 2020, 130, 109627.	5.2	20
49	Efficient removal of sulcotrione and its formulated compound TangentaÂ® in aqueous TiO2 suspension: Stability, photoproducts assessment and toxicity. Chemosphere, 2015, 138, 988-994.	8.2	19
50	Advanced oxidation processes for the removal of [bmim][Sal] third generation ionic liquids: effect of water matrices and intermediates identification. RSC Advances, 2016, 6, 52826-52837.	3.6	19
51	Photocatalytic Degradation of Herbicide Quinmerac in Various Types of Natural Water. Water, Air, and Soil Pollution, 2012, 223, 3009-3020.	2.4	17
52	Elongated titania nanostructures as efficient photocatalysts for degradation of selected herbicides. Applied Catalysis B: Environmental, 2014, 160-161, 589-596.	20.2	17
53	Environmentally friendly photoactive heterojunction zinc tin oxide nanoparticles. Ceramics International, 2016, 42, 3575-3583.	4.8	17
54	Removal of Emerging Pollutants from Water Using Environmentally Friendly Processes: Photocatalysts Preparation, Characterization, Intermediates Identification and Toxicity Assessment. Nanomaterials, 2021, 11, 215.	4.1	15

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55	Some Electrochemical Characteristics of Boron- and Phosphorus-Doped Glassy Carbon Electrodes. Electroanalysis, 2003, 15, 878-884.	2.9	14
56	A rapid spectrophotometric determination of imidacloprid in selected commercial formulations in the presence of 6-chloronicotinic acid. Journal of the Serbian Chemical Society, 2009, 74, 1455-1465.	0.8	14
57	Kinetics, mechanism and toxicity of intermediates of solar light induced photocatalytic degradation of pindolol: Experimental and computational modeling approach. Journal of Hazardous Materials, 2020, 393, 122490.	12.4	14
58	Optimization of the determination of deoxynivalenol in corn samples by liquid chromatography and a comparison of two clean-up principles. Journal of the Serbian Chemical Society, 2005, 70, 1005-1013.	0.8	14
59	Photocatalytic removal of the herbicide clopyralid from water. Journal of the Serbian Chemical Society, 2007, 72, 1477-1486.	0.8	14
60	The effect of inorganic anions and organic matter on mesotrione (CallistoÂ®) removal from environmental waters. Journal of the Serbian Chemical Society, 2017, 82, 343-355.	0.8	13
61	Catalytic amperometric and catalytic constant-current potentiometric titrations of silver(I), palladium(II) and mercury(II). Talanta, 1980, 27, 733-740.	5.5	12
62	Microcomputer-aided titrimetric determination of bromine-containing active ingredients in some drug formulations. Analyst, The, 1993, 118, 899-903.	3.5	11
63	Fumonisins and co-occurring mycotoxins in north Serbian corn. Zbornik Matice Srpske Za Prirodne Nauke, 2011, , 49-59.	0.1	11
64	Extraction without Organic Solvents in the Determination of Fumonisins B1, B2, and B3 in Maize by HPLCâ€“FLD and ELISA Tests. Food Analytical Methods, 2015, 8, 1446-1455.	2.6	11
65	Determination of Silver, Palladium, and Gold in Some Alloys by Titrimetric Methods and Inductively Coupled Plasma Atomic Emission Spectrometry. Microchemical Journal, 1993, 48, 137-150.	4.5	10
66	Derivative spectrophotometric determination of the herbicides picloram and triclopyr in mixtures. Journal of the Serbian Chemical Society, 2007, 72, 809-819.	0.8	10
67	Determination of EDTA by catalytic amperometric and catalytic potentiometric titration at a small constant current. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1977, 286, 222-225.	0.8	9
68	Titrimetric determination of fluoride in some pharmaceutical products used for fluoridation. Talanta, 1992, 39, 511-515.	5.5	9
69	Incidence of Deoxynivalenol in Serbian Wheat and Barley. Journal of Food Protection, 2014, 77, 853-858.	1.7	9
70	Synthesis of pure and La-doped anatase nanopowders by solâ€“gel and hydrothermal methods and their efficiency in photocatalytic degradation of alprazolam. Ceramics International, 2014, 40, 13409-13418.	4.8	9
71	Valorization of red raspberry (Rubus idaeus L.) seeds as a source of health beneficial compounds: Extraction by different methods. Journal of Food Processing and Preservation, 2020, 44, e14744.	2.0	9
72	Environmental Photocatalytic Degradation of Antidepressants with Solar Radiation: Kinetics, Mineralization, and Toxicity. Nanomaterials, 2021, 11, 632.	4.1	9

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73	Determination of fluoride with thorium nitrate by catalytic titration. Talanta, 1978, 25, 113-116.	5.5	8
74	Determination of mercury content of some pharmaceutical products by catalytic titration. Mikrochimica Acta, 1982, 77, 465-472.	5.0	8
75	Contributions to the theory of catalytic titrationsâ€"I Complexometric catalytic titrations. Talanta, 1984, 31, 987-996.	5.5	7
76	Adsorption and degradation of some psychiatric drugs by sol-gel synthesized titania-based photocatalysts: influence of tungsten and sodium content. Journal of Sol-Gel Science and Technology, 2019, 90, 510-524.	2.4	7
77	Water-Active Titanium/Molybdenum/Mixed-Oxides: Removal Efficiency of Organic Water Pollutants by Adsorption and Photocatalysis and Toxicity Assessment. Catalysts, 2021, 11, 1054.	3.5	7
78	Titrimetric determination of gold in some pharmaceutical preparations. Analyst, The, 1990, 115, 79-83.	3.5	6
79	Automation of a system for titrimetric measurements. Catalytic thermometric titrations of organic bases. Analyst, The, 1996, 121, 425-430.	3.5	6
80	Preliminary Results on Deoxynivalenol Degradation in Maize by UVA and UVC Irradiation. Contemporary Agriculture, 2016, 65, 7-12.	0.4	6
81	Potential of TiO2 with Various Au Nanoparticles for Catalyzing Mesotrione Removal from Wastewaters under Sunlight. Nanomaterials, 2020, 10, 1591.	4.1	6
82	Photocatalytic degradation of thiotriazinone, stable hydrolysis product of antibiotic ceftriaxone. Acta Periodica Technologica, 2019, , 1-11.	0.2	6
83	Contributions to the theory of catalytic titrationsâ€"II Precipitation and redox catalytic titrations. Talanta, 1985, 32, 549-558.	5.5	5
84	Liquid chromatographic determination of fumonisins B1 and B2 in corn samples after reusable immunoaffinity column clean-up. Journal of the Serbian Chemical Society, 2005, 70, 899-910.	0.8	5
85	Photodegradation of selected pesticides: Photocatalytic activity of bare and PANI-modified TiO2 under simulated solar irradiation. Journal of the Serbian Chemical Society, 2019, 84, 1455-1468.	0.8	5
86	Fumonisins in Serbian Corn: Long-time Assessment under Actual Climate Change Conditions. Cereal Research Communications, 2019, 47, 714-723.	1.6	5
87	Contributions to the theory of catalytic titrationsâ€"III Neutralization catalytic titrations. Talanta, 1985, 32, 559-563.	5.5	4
88	Some observations on catalytic conductometric titrations. Microchemical Journal, 1986, 34, 295-304.	4.5	4
89	Application of computers for optimisation of end-point determination in catalytic titrimetry. Analyst, The, 1990, 115, 715-720.	3.5	4
90	Automatic titrimetric determination of iodide in some pharmaceutical contrasting preparations. Journal of Pharmaceutical and Biomedical Analysis, 1993, 11, 447-450.	2.8	4

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91	Presence of deoxynivalenol in small-grain samples from 2009/10 harvest season. Zbornik Matice Srpske Za Prirodne Nauke, 2011, , 19-24.	0.1	4
92	Reaction kinetics of mesotrione removal catalyzed by TiO2 in the presence of different electron acceptors. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 205-217.	1.7	4
93	UV-driven removal of tricyclic antidepressive drug amitriptyline using TiO2 and TiO2/WO3 coatings. Reaction Kinetics, Mechanisms and Catalysis, 2021, 132, 1193-1209.	1.7	4
94	Wheat safety in relation to presence and content of deoxynivalenol. Zbornik Matice Srpske Za Prirodne Nauke, 2007, , 17-25.	0.1	4
95	Complexometric catalytic titrations using the indicator reaction periodate-triethanolamine. Microchemical Journal, 1985, 32, 226-236.	4.5	3
96	Expert system for catalytic titrimetryâ€"Part 1. Determination of organic acids. Analyst, The, 1996, 121, 401-406.	3.5	3
97	Phosphorus-doped and undoped glassy carbon indicator electrodes in controlled-current potentiometric titrations of bromide- or chloride-containing active ingredients in some pharmaceutical preparations. Journal of Pharmaceutical and Biomedical Analysis, 2005, 37, 265-271.	2.8	3
98	Comparison of different iron-based catalysts for photocatalytic removal of imidacloprid. Reaction Kinetics, Mechanisms and Catalysis, 2009, 99, 225.	1.7	3
99	Commercial <scp> TiO ₂ </scp> loaded with <scp>NiO</scp> for improving photocatalytic hydrÐ¾gen prÐ¾duction in the presence Ð¾f simulated solar radiation. International Journal of Energy Research, 2020, 44, 8951-8963.	4.5	3
100	UV-induction of photolytic and photocatalytic degradation of fumonisins in water: reaction kinetics and toxicity. Environmental Science and Pollution Research, 2021, 28, 53917-53925.	5.3	3
101	Direct photolysis and photocatalytic degradation of 2-amino-5-chloropyridine. Journal of the Serbian Chemical Society, 2003, 68, 961-970.	0.8	3
102	The content of deoxynivalenol and zearalenone in certain parts of Fusarium infected wheat heads. Zbornik Matice Srpske Za Prirodne Nauke, 2007, , 9-16.	0.1	3
103	Kinetics of photocatalytic removal of 2-amino-5-chloropyridine from water. Acta Periodica Technologica, 2004, , 79-86.	0.2	3
104	Semiautomatic and automatic catalytic amperometric and catalytic constant-current potentiometric titrations of gold(III). Microchemical Journal, 1984, 30, 162-171.	4.5	2
105	Efficiency of crude corn extract clean-up on different columns in fumonisins determination. Zbornik Matice Srpske Za Prirodne Nauke, 2005, , 95-102.	0.1	2
106	Presence of deoxynivalenol in maize of Vojvodina. Zbornik Matice Srpske Za Prirodne Nauke, 2007, , 135-142.	0.1	2
107	Voltammetric and titrimetric study of acid-base properties of some Î¼-oxo dimeric iron(III) complexes inDMF. Monatshefte FÃ¼r Chemie, 1992, 123, 1071-1079.	1.8	1
108	Mycotoxicological tests from the aspect of the HACCP system and legislation. Zbornik Matice Srpske Za Prirodne Nauke, 2011, , 95-102.	0.1	1

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109	Comparative Assessment of the Photocatalytic Efficiency of TiO2 Wackherr in the Removal of Clopyralid from Various Types of Water. , 0, , .		1
110	Presence of zearalenone in the most commonly grown wheat cultivars in Serbia. Zbornik Matice Srpske Za Prirodne Nauke, 2013, , 101-109.	0.1	1
111	Potentiometric application of boron- and phosphorus-doped glassy carbon electrodes. Journal of the Serbian Chemical Society, 2001, 66, 179-188.	0.8	1
112	Determination of deoxynivalenol in corn. Zbornik Matice Srpske Za Prirodne Nauke, 2005, , 139-146.	0.1	1
113	Evaluation of feed components contamination with ochratoxin in Vojvodina. Zbornik Matice Srpske Za Prirodne Nauke, 2005, , 17-23.	0.1	1
114	Application of ATR-FTIR analysis for determination of fumonisins in corn. Zbornik Matice Srpske Za Prirodne Nauke, 2017, , 47-56.	0.1	1
115	Computers in catalytic analysis. Invited lecture. Analyst, The, 1990, 115, 705.	3.5	0
116	Expert System for Catalytic Titrimetryâ€"Part 2: Determination of Monobasic Carboxylic Acids. Journal of AOAC INTERNATIONAL, 1998, 81, 1077-1086.	1.5	0
117	Expert system for determination of fumonisins in corn samples. Zbornik Matice Srpske Za Prirodne Nauke, 2005, , 109-120.	0.1	0
118	Interlaboratory comparison for determination of ochratoxin A by ELISA in maize (running title:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	0.1	0