

Biljana F AbramoviÄ

List of Publications by Year in descending order

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118
papers

2,634
citations

168829

31
h-index

252626

46
g-index

118
all docs

118
docs citations

118
times ranked

3176
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Emerging Pollutants from Water Using Environmentally Friendly Processes: Photocatalysts Preparation, Characterization, Intermediates Identification and Toxicity Assessment. <i>Nanomaterials</i> , 2021, 11, 215.	1.9	15
2	UV-driven removal of tricyclic antidepressive drug amitriptyline using TiO ₂ and TiO ₂ /WO ₃ coatings. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 132, 1193-1209.	0.8	4
3	Environmental Photocatalytic Degradation of Antidepressants with Solar Radiation: Kinetics, Mineralization, and Toxicity. <i>Nanomaterials</i> , 2021, 11, 632.	1.9	9
4	Experimental and computational study of hydrolysis and photolysis of antibiotic ceftriaxone: Degradation kinetics, pathways, and toxicity. <i>Science of the Total Environment</i> , 2021, 768, 144991.	3.9	23
5	UV-induction of photolytic and photocatalytic degradation of fumonisins in water: reaction kinetics and toxicity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53917-53925.	2.7	3
6	Water-Active Titanium/Molybdenum/Mixed-Oxides: Removal Efficiency of Organic Water Pollutants by Adsorption and Photocatalysis and Toxicity Assessment. <i>Catalysts</i> , 2021, 11, 1054.	1.6	7
7	Valorization of red raspberry (<i>Rubus idaeus</i> L.) seeds as a source of health beneficial compounds: Extraction by different methods. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14744.	0.9	9
8	Potential of TiO ₂ with Various Au Nanoparticles for Catalyzing Mesotrione Removal from Wastewaters under Sunlight. <i>Nanomaterials</i> , 2020, 10, 1591.	1.9	6
9	Commercial TiO ₂ loaded with NiO for improving photocatalytic hydrogen production in the presence of simulated solar radiation. <i>International Journal of Energy Research</i> , 2020, 44, 8951-8963.	2.2	3
10	Kinetics, mechanism and toxicity of intermediates of solar light induced photocatalytic degradation of pindolol: Experimental and computational modeling approach. <i>Journal of Hazardous Materials</i> , 2020, 393, 122490.	6.5	14
11	Recovery of high-content 3 fatty acid oil from raspberry (<i>Rubus idaeus</i> L.) seeds: Chemical composition and functional quality. <i>LWT - Food Science and Technology</i> , 2020, 130, 109627.	2.5	20
12	Reaction kinetics of mesotrione removal catalyzed by TiO ₂ in the presence of different electron acceptors. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 205-217.	0.8	4
13	Adsorption and degradation of some psychiatric drugs by sol-gel synthesized titania-based photocatalysts: influence of tungsten and sodium content. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 510-524.	1.1	7
14	Novel WO ₃ /Fe ₃ O ₄ magnetic photocatalysts: Preparation, characterization and thiacloprid photodegradation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 264-275.	2.9	32
15	Efficiency of La-doped TiO ₂ calcined at different temperatures in photocatalytic degradation of ̢-blockers. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5355-5369.	2.3	54
16	Photocatalytic degradation of thiotriazinone, stable hydrolysis product of antibiotic ceftriaxone. <i>Acta Periodica Technologica</i> , 2019, , 1-11.	0.5	6
17	Photodegradation of selected pesticides: Photocatalytic activity of bare and PANI-modified TiO ₂ under simulated solar irradiation. <i>Journal of the Serbian Chemical Society</i> , 2019, 84, 1455-1468.	0.4	5
18	Fumonisin in Serbian Corn: Long-time Assessment under Actual Climate Change Conditions. <i>Cereal Research Communications</i> , 2019, 47, 714-723.	0.8	5

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19	Photocatalytic decomposition of selected biologically active compounds in environmental waters using TiO ₂ /polyaniline nanocomposites: Kinetics, toxicity and intermediates assessment. <i>Environmental Pollution</i> , 2018, 239, 457-465.	3.7	35
20	Enhancement of nano titanium dioxide coatings by fullerene and polyhydroxy fullerene in the photocatalytic degradation of the herbicide mesotrione. <i>Chemosphere</i> , 2018, 196, 145-152.	4.2	23
21	Photocatalytic degradation of 4-amino-6-chlorobenzene-1,3-disulfonamide stable hydrolysis product of hydrochlorothiazide: Detection of intermediates and their toxicity. <i>Environmental Pollution</i> , 2018, 233, 916-924.	3.7	23
22	Removal of alprazolam from aqueous solutions by heterogeneous photocatalysis: Influencing factors, intermediates, and products. <i>Chemical Engineering Journal</i> , 2017, 307, 1105-1115.	6.6	56
23	The effect of inorganic anions and organic matter on mesotrione (Callisto [®]) removal from environmental waters. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 343-355.	0.4	13
24	Application of ATR-FTIR analysis for determination of fumonisins in corn. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2017, , 47-56.	0.0	1
25	Advanced oxidation processes for the removal of [bmim][Sal] third generation ionic liquids: effect of water matrices and intermediates identification. <i>RSC Advances</i> , 2016, 6, 52826-52837.	1.7	19
26	Theoretical investigation of loratadine reactivity in order to understand its degradation properties: DFT and MD study. <i>Journal of Molecular Modeling</i> , 2016, 22, 240.	0.8	39
27	Preliminary Results on Deoxynivalenol Degradation in Maize by UVA and UVC Irradiation. <i>Contemporary Agriculture</i> , 2016, 65, 7-12.	0.3	6
28	Efficiency of neonicotinoids photocatalytic degradation by using annular slurry reactor. <i>Chemical Engineering Journal</i> , 2016, 286, 184-190.	6.6	30
29	Environmentally friendly photoactive heterojunction zinc tin oxide nanoparticles. <i>Ceramics International</i> , 2016, 42, 3575-3583.	2.3	17
30	Structuring of water in the new generation ionic liquid â€“ Comparative experimental and theoretical study. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 164-171.	1.0	42
31	Influence of electron acceptors on the kinetics of metoprolol photocatalytic degradation in TiO ₂ suspension. A combined experimental and theoretical study. <i>RSC Advances</i> , 2015, 5, 54589-54604.	1.7	95
32	Efficient removal of sulcotrione and its formulated compound Tangenta [®] in aqueous TiO ₂ suspension: Stability, photoproducts assessment and toxicity. <i>Chemosphere</i> , 2015, 138, 988-994.	4.2	19
33	Mechanism of clomazone photocatalytic degradation: hydroxyl radical, electron and hole scavengers. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 67-79.	0.8	61
34	Extraction without Organic Solvents in the Determination of Fumonisins B1, B2, and B3 in Maize by HPLCâ€“FLD and ELISA Tests. <i>Food Analytical Methods</i> , 2015, 8, 1446-1455.	1.3	11
35	Photocatalytic degradation of alprazolam in water suspension of brookite type TiO ₂ nanopowders prepared using hydrothermal route. <i>Materials Chemistry and Physics</i> , 2015, 163, 518-528.	2.0	32
36	Ternary and coupled binary zinc tin oxide nanopowders: Synthesis, characterization, and potential application in photocatalytic processes. <i>Materials Research Bulletin</i> , 2015, 62, 114-121.	2.7	29

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37	Incidence of Deoxynivalenol in Serbian Wheat and Barley. <i>Journal of Food Protection</i> , 2014, 77, 853-858.	0.8	9
38	Elongated titania nanostructures as efficient photocatalysts for degradation of selected herbicides. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 589-596.	10.8	17
39	Surface modification of sol-gel synthesized TiO ₂ nanoparticles induced by La-doping. <i>Materials Characterization</i> , 2014, 88, 30-41.	1.9	46
40	Effect of annealing temperature on structural and optical properties of Mg-doped ZnO nanoparticles and their photocatalytic efficiency in alprazolam degradation. <i>Ceramics International</i> , 2014, 40, 1545-1552.	2.3	72
41	Thermochromism, stability and thermodynamics of cobalt(II) complexes in newly synthesized nitrate based ionic liquid and its photostability. <i>Dalton Transactions</i> , 2014, 43, 15515-15525.	1.6	36
42	Photodegradation of Neonicotinoid Active Ingredients and Their Commercial Formulations in Water by Different Advanced Oxidation Processes. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	26
43	Kinetics and the mechanism of the photocatalytic degradation of mesotrione in aqueous suspension and toxicity of its degradation mixtures. <i>Journal of Molecular Catalysis A</i> , 2014, 392, 67-75.	4.8	28
44	Synthesis of pure and La-doped anatase nanopowders by sol-gel and hydrothermal methods and their efficiency in photocatalytic degradation of alprazolam. <i>Ceramics International</i> , 2014, 40, 13409-13418.	2.3	9
45	Degradation of Thiachloprid by ZnO in a Laminar Falling Film Slurry Photocatalytic Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5040-5047.	1.8	23
46	Toxicity assessment of metoprolol and its photodegradation mixtures obtained by using different type of TiO ₂ catalysts in the mammalian cell lines. <i>Science of the Total Environment</i> , 2013, 463-464, 968-974.	3.9	52
47	Improved efficiency of sol-gel synthesized mesoporous anatase nanopowders in photocatalytic degradation of metoprolol. <i>Materials Research Bulletin</i> , 2013, 48, 1363-1371.	2.7	29
48	Photocatalytic degradation of the herbicide clomazone in natural water using TiO ₂ : Kinetics, mechanism, and toxicity of degradation products. <i>Chemosphere</i> , 2013, 93, 166-171.	4.2	35
49	Renewable silver-amalgam film electrode for voltammetric monitoring of solar photodegradation of imidacloprid in the presence of Fe/TiO ₂ and TiO ₂ catalysts. <i>Journal of Electroanalytical Chemistry</i> , 2013, 699, 33-39.	1.9	35
50	Presence of zearalenone in the most commonly grown wheat cultivars in Serbia. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2013, , 101-109.	0.0	1
51	The role of surface defect sites of titania nanoparticles in the photocatalysis: Aging and modification. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 122-127.	10.8	30
52	Validation of an HPLC method for the determination of amino acids in feed. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 839-850.	0.4	56
53	Interlaboratory comparison for determination of ochratoxin A by ELISA in maize (running title:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.0	0
54	Spectroscopic monitoring of photocatalytic degradation of the insecticide acetamiprid and its degradation product 6-chloronicotinic acid on TiO ₂ catalyst. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1919-1929.	0.9	20

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55	Degradation of thiamethoxam and metoprolol by UV, O ₃ and UV/O ₃ hybrid processes: Kinetics, degradation intermediates and toxicity. <i>Journal of Hydrology</i> , 2012, 472-473, 314-327.	2.3	95
56	Co-occurrence of Fumonisin and Deoxynivalenol in Wheat and Maize Harvested in Serbia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 615-619.	1.3	28
57	Photocatalytic Degradation of Herbicide Quinmerac in Various Types of Natural Water. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3009-3020.	1.1	17
58	Photocatalytic degradation of metoprolol in water suspension of TiO ₂ nanopowders prepared using sol-gel route. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 390-402.	1.1	38
59	Photocatalytic degradation of metoprolol tartrate in suspensions of two TiO ₂ -based photocatalysts with different surface area. Identification of intermediates and proposal of degradation pathways. <i>Journal of Hazardous Materials</i> , 2011, 198, 123-132.	6.5	103
60	Photodegradation of thiacloprid using Fe/TiO ₂ as a heterogeneous photo-Fenton catalyst. <i>Applied Catalysis B: Environmental</i> , 2011, 107, 363-371.	10.8	112
61	A comparative study of the activity of TiO ₂ Wackherr and Degussa P25 in the photocatalytic degradation of picloram. <i>Applied Catalysis B: Environmental</i> , 2011, 105, 191-198.	10.8	42
62	Presence of deoxynivalenol in small-grain samples from 2009/10 harvest season. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2011, , 19-24.	0.0	4
63	Mycotoxicological tests from the aspect of the HACCP system and legislation. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2011, , 95-102.	0.0	1
64	Fumonisin and co-occurring mycotoxins in north Serbian corn. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2011, , 49-59.	0.0	11
65	Photocatalytic degradation of selected herbicides in aqueous suspensions of doped titania under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2010, 179, 49-56.	6.5	43
66	Degradation of thiacloprid in aqueous solution by UV and UV/H ₂ O ₂ treatments. <i>Chemosphere</i> , 2010, 81, 114-119.	4.2	63
67	Photocatalytic Degradation of Mecoprop and Clopyralid in Aqueous Suspensions of Nanostructured N-doped TiO ₂ . <i>Molecules</i> , 2010, 15, 2994-3009.	1.7	50
68	A rapid spectrophotometric determination of imidacloprid in selected commercial formulations in the presence of 6-chloronicotinic acid. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 1455-1465.	0.4	14
69	Comparison of different iron-based catalysts for photocatalytic removal of imidacloprid. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2009, 99, 225.	0.8	3
70	Synthesis and Characterization of Rutile TiO ₂ Nanopowders Doped with Iron Ions. <i>Nanoscale Research Letters</i> , 2009, 4, 518-525.	3.1	96
71	Photodegradation of clopyralid in TiO ₂ suspensions: Identification of intermediates and reaction pathways. <i>Journal of Hazardous Materials</i> , 2009, 168, 94-101.	6.5	68
72	Nitrogen-doped TiO ₂ suspensions in photocatalytic degradation of mecoprop and (4-chloro-2-methylphenoxy)acetic acid herbicides using various light sources. <i>Desalination</i> , 2009, 244, 293-302.	4.0	27

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73	First survey of deoxynivalenol occurrence in crops in Serbia. <i>Food Control</i> , 2008, 19, 545-550.	2.8	34
74	Chemical composition of leaf extracts of <i>Stevia rebaudiana</i> Bertoni grown experimentally in Vojvodina. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 283-297.	0.4	23
75	Occurrence of Deoxynivalenol in Maize and Wheat in Serbia. <i>International Journal of Molecular Sciences</i> , 2008, 9, 2114-2126.	1.8	44
76	Derivative spectrophotometric determination of the herbicides picloram and triclopyr in mixtures. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 809-819.	0.4	10
77	Photocatalytic removal of the herbicide clopyralid from water. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1477-1486.	0.4	14
78	The content of deoxynivalenol and zearalenone in certain parts of <i>Fusarium</i> infected wheat heads. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2007, , 9-16.	0.0	3
79	Presence of deoxynivalenol in maize of Vojvodina. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2007, , 135-142.	0.0	2
80	Wheat safety in relation to presence and content of deoxynivalenol. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2007, , 17-25.	0.0	4
81	Phosphorus-doped and undoped glassy carbon indicator electrodes in controlled-current potentiometric titrations of bromide- or chloride-containing active ingredients in some pharmaceutical preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 265-271.	1.4	3
82	Liquid chromatographic determination of fumonisins B1 and B2 in corn samples after reusable immunoaffinity column clean-up. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 899-910.	0.4	5
83	Optimization of the determination of deoxynivalenol in corn samples by liquid chromatography and a comparison of two clean-up principles. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 1005-1013.	0.4	14
84	Determination of deoxynivalenol in corn. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2005, , 139-146.	0.0	1
85	Evaluation of feed components contamination with ochratoxin in Vojvodina. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2005, , 17-23.	0.0	1
86	Efficiency of crude corn extract clean-up on different columns in fumonisins determination. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2005, , 95-102.	0.0	2
87	Expert system for determination of fumonisins in corn samples. <i>Zbornik Matice Srpske Za Prirodne Nauke</i> , 2005, , 109-120.	0.0	0
88	Titanium dioxide mediated photocatalytic degradation of 3-amino-2-chloropyridine. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 213-221.	10.8	33
89	Photocatalytic activity of synthesized nanosized TiO ₂ towards the degradation of herbicide mecoprop. <i>Applied Catalysis B: Environmental</i> , 2004, 54, 125-133.	10.8	20
90	Kinetics of photocatalytic removal of 2-amino-5-chloropyridine from water. <i>Acta Periodica Technologica</i> , 2004, , 79-86.	0.5	3

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91	Some Electrochemical Characteristics of Boron- and Phosphorus-Doped Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2003, 15, 878-884.	1.5	14
92	Photocatalytic removal of the insecticide fenitrothion from water sensitized with TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 160, 195-201.	2.0	29
93	Direct photolysis and photocatalytic degradation of 2-amino-5-chloropyridine. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 961-970.	0.4	3
94	Photocatalytic oxidation of the herbicide (4-chloro-2-methylphenoxy)acetic acid (MCPA) over TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 140, 249-253.	2.0	79
95	Potentiometric application of boron- and phosphorus-doped glassy carbon electrodes. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 179-188.	0.4	1
96	Photomineralization of the herbicide mecoprop dissolved in water sensitized by TiO ₂ . <i>Water Research</i> , 2000, 34, 1473-1478.	5.3	59
97	Expert System for Catalytic Titrimetryâ€”Part 2: Determination of Monobasic Carboxylic Acids. <i>Journal of AOAC INTERNATIONAL</i> , 1998, 81, 1077-1086.	0.7	0
98	Expert system for catalytic titrimetryâ€”Part 1. Determination of organic acids. <i>Analyst, The</i> , 1996, 121, 401-406.	1.7	3
99	Automation of a system for titrimetric measurements. Catalytic thermometric titrations of organic bases. <i>Analyst, The</i> , 1996, 121, 425-430.	1.7	6
100	Determination of Silver, Palladium, and Gold in Some Alloys by Titrimetric Methods and Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Microchemical Journal</i> , 1993, 48, 137-150.	2.3	10
101	Automatic titrimetric determination of iodide in some pharmaceutical contrasting preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 447-450.	1.4	4
102	Microcomputer-aided titrimetric determination of bromine-containing active ingredients in some drug formulations. <i>Analyst, The</i> , 1993, 118, 899-903.	1.7	11
103	Titrimetric determination of fluoride in some pharmaceutical products used for fluoridation. <i>Talanta</i> , 1992, 39, 511-515.	2.9	9
104	Voltammetric and titrimetric study of acid-base properties of some $\frac{1}{4}$ -oxo dimeric iron(III) complexes in DMF. <i>Monatshefte FÃ¼r Chemie</i> , 1992, 123, 1071-1079.	0.9	1
105	Application of computers for optimisation of end-point determination in catalytic titrimetry. <i>Analyst, The</i> , 1990, 115, 715-720.	1.7	4
106	Titrimetric determination of gold in some pharmaceutical preparations. <i>Analyst, The</i> , 1990, 115, 79-83.	1.7	6
107	Computers in catalytic analysis. Invited lecture. <i>Analyst, The</i> , 1990, 115, 705.	1.7	0
108	Some observations on catalytic conductometric titrations. <i>Microchemical Journal</i> , 1986, 34, 295-304.	2.3	4

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109	Complexometric catalytic titrations using the indicator reaction periodate-triethanolamine. <i>Microchemical Journal</i> , 1985, 32, 226-236.	2.3	3
110	Contributions to the theory of catalytic titrationsâ€™II Precipitation and redox catalytic titrations. <i>Talanta</i> , 1985, 32, 549-558.	2.9	5
111	Contributions to the theory of catalytic titrationsâ€™III Neutralization catalytic titrations. <i>Talanta</i> , 1985, 32, 559-563.	2.9	4
112	Semiautomatic and automatic catalytic amperometric and catalytic constant-current potentiometric titrations of gold(III). <i>Microchemical Journal</i> , 1984, 30, 162-171.	2.3	2
113	Contributions to the theory of catalytic titrationsâ€™I Complexometric catalytic titrations. <i>Talanta</i> , 1984, 31, 987-996.	2.9	7
114	Determination of mercury content of some pharmaceutical products by catalytic titration. <i>Mikrochimica Acta</i> , 1982, 77, 465-472.	2.5	8
115	Catalytic amperometric and catalytic constant-current potentiometric titrations of silver(I), palladium(II) and mercury(II). <i>Talanta</i> , 1980, 27, 733-740.	2.9	12
116	Determination of fluoride with thorium nitrate by catalytic titration. <i>Talanta</i> , 1978, 25, 113-116.	2.9	8
117	Determination of EDTA by catalytic amperometric and catalytic potentiometric titration at a small constant current. <i>Fresenius Zeitschrift FÃ¼r Analytische Chemie</i> , 1977, 286, 222-225.	0.7	9
118	Comparative Assessment of the Photocatalytic Efficiency of TiO ₂ Wackherr in the Removal of Clopyralid from Various Types of Water. , 0, , .		1