

Daniela V ?oji? Merkulov

List of Publications by Year in descending order

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37
papers

1,307
citations

304368

22
h-index

344852

36
g-index

37
all docs

37
docs citations

37
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Synthesis and Characterization of Rutile TiO ₂ Nanopowders Doped with Iron Ions. <i>Nanoscale Research Letters</i> , 2009, 4, 518-525.	3.1	96
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Efficiency of neonicotinoids photocatalytic degradation by using annular slurry reactor. <i>Chemical Engineering Journal</i> , 2016, 286, 184-190.	6.6	30
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Photocatalytic removal of the herbicide clopyralid from water. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1477-1486.	0.4	14
29	Sustainable Green Nanotechnologies for Innovative Purifications of Water: Synthesis of the Nanoparticles from Renewable Sources. <i>Nanomaterials</i> , 2022, 12, 263.	1.9	14
30	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
31	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
32	Environmental Photocatalytic Degradation of Antidepressants with Solar Radiation: Kinetics, Mineralization, and Toxicity. <i>Nanomaterials</i> , 2021, 11, 632.	1.9	9
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Chemometric evaluation of different parameters for removal of tembotrione (agricultural herbicide) from water by adsorption and photocatalytic degradation using sustainable nanotechnology. Food and Energy Security, 0, , .	2.0	2