Nemanja D BaniÄ

List of Publications by Year
in descending order

21 papers	554 citations	759055 12 h-index	713332 21 g-index
21 all docs	21 docs citations	21 times ranked	760 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.	10.8	112
2	Degradation of thiacloprid in aqueous solution by UV and UV/H2O2 treatments. Chemosphere, 2010, 81, 114-119.	4.2	63
3	Removal of alprazolam from aqueous solutions by heterogeneous photocatalysis: Influencing factors, intermediates, and products. Chemical Engineering Journal, 2017, 307, 1105-1115.	6.6	56
4	Structuring of water in the new generation ionic liquid â€“ Comparative experimental and theoretical study. Journal of Chemical Thermodynamics, 2016, 93, 164-171.	1.0	42
5	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.	1.6	36
6	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.	3.7	35
7	Novel WO3/Fe3O4 magnetic photocatalysts: Preparation, characterization and thiacloprid photodegradation. Journal of Industrial and Engineering Chemistry, 2019, 70, 264-275.	2.9	32
8	Efficiency of neonicotinoids photocatalytic degradation by using annular slurry reactor. Chemical Engineering Journal, 2016, 286, 184-190.	6.6	30
9	Photodegradation of Neonicotinoid Active Ingredients and Their Commercial Formulations in Water by Different Advanced Oxidation Processes. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	26
10	Degradation of Thiacloprid by ZnO in a Laminar Falling Film Slurry Photocatalytic Reactor. Industrial & Engineering Chemistry Research, 2013, 52, 5040-5047.	1.8	23
11	Efficient removal of sulcotrione and its formulated compound TangentaÂ® in aqueous TiO2 suspension: Stability, photoproducts assessment and toxicity. Chemosphere, 2015, 138, 988-994.	4.2	19
12	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.	1.7	19
13	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.	0.4	13
14	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.	1.3	11
15	The role of environmental waters ionic composition and UVâ€“LED radiation on photodegradation, mineralization and toxicity of commonly used Î²-blockers. Journal of Molecular Structure, 2022, 1249, 131579.	1.8	10
16	Environmental Photocatalytic Degradation of Antidepressants with Solar Radiation: Kinetics, Mineralization, and Toxicity. Nanomaterials, 2021, 11, 632.	1.9	9
17	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.	0.4	5
18	Reaction kinetics of mesotrione removal catalyzed by TiO2 in the presence of different electron acceptors. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 205-217.	0.8	4

#	Article	IF	Citations
19	Comparison of different iron-based catalysts for photocatalytic removal of imidacloprid. Reaction Kinetics, Mechanisms and Catalysis, 2009, 99, 225.	0.8	3
20	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.	2.2	3
21	Removal of methyl orange using combined ZnO/Fe2O3/ZnO-Zn composite coated to the aluminium foil in the presence of simulated solar radiation. Environmental Science and Pollution Research, 2022, 29, 51521-51536.	2.7	3