Ana Loncaric Bozic

List of Publications by Year
in descending order

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71	2,699	236833	189801
papers	citations	25 h-index	50 g-index

74	74	74	3126
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural features promoting adsorption of contaminants of emerging concern onto TiO2 P25: experimental and computational approaches. Environmental Science and Pollution Research, 2022, 29, 87628-87644.	2.7	2
2	Influence of Photo-Deposited Pt and Pd onto Chromium Doped TiO2 Nanotubes in Photo-Electrochemical Water Splitting for Hydrogen Generation. Catalysts, 2021, 11, 212.	1.6	9
3	Environmental aspects of UV-C-based processes for the treatment of oxytetracycline in water. Environmental Pollution, 2021, 277, 116797.	3.7	16
4	Solar Light Activation of Persulfate by TiO₂/Fe₂O₃ Layered Composite Films for Degradation of Amoxicillin: Degradation Mechanism, Matrix Effects, and Toxicity Assessments. Advanced Sustainable Systems, 2021, 5, 2100119.	2.7	17
5	Tailored BiVO4 for enhanced visible-light photocatalytic performance. Journal of Environmental Chemical Engineering, 2021, 9, 106025.	3.3	22
6	In-situ high temperature XRD study on thermally induced phase changes of BiVO4: The formation of an iso-type heterojunction. Materials Letters, 2021, 305, 130816.	1.3	4
7	Degradation of polar and non-polar pharmaceutical pollutants in water by solar assisted photocatalysis using hydrothermal TiO2-SnS2. Chemical Engineering Journal, 2020, 382, 122826.	6.6	37
8	Combined toxicities of binary mixtures of alachlor, chlorfenvinphos, diuron and isoproturon. Chemosphere, 2020, 240, 124973.	4.2	17
9	Structural features of contaminants of emerging concern behind empirical parameters of mechanistic models describing their photooxidative degradation. Journal of Water Process Engineering, 2020, 33, 101053.	2.6	7
10	Recent Achievements in Development of TiO2-Based Composite Photocatalytic Materials for Solar Driven Water Purification and Water Splitting. Materials, 2020, 13, 1338.	1.3	76
11	Solar-active photocatalysts based on TiO2 and conductive polymer PEDOT for the removal of bisphenol A. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112546.	2.0	19
12	One-Pot Synthesis of Sulfur-Doped TiO2/Reduced Graphene Oxide Composite (S-TiO2/rGO) with Improved Photocatalytic Activity for the Removal of Diclofenac from Water. Materials, 2020, 13, 1621.	1.3	23
13	Toxicity of pharmaceuticals in binary mixtures: Assessment by additive and non-additive toxicity models. Ecotoxicology and Environmental Safety, 2019, 185, 109696.	2.9	21
14	Key structural features promoting radical driven degradation of emerging contaminants in water. Environment International, 2019, 124, 38-48.	4.8	24
15	Modeling of Photooxidative Degradation of Aromatics in Water Matrix: A Quantitative Structureâ^'Property Relationship Approach. ACS Symposium Series, 2019, , 257-292.	0.5	0
16	Building Soft Sensors using Artificial Intelligence: Use Case on Daily Solar Radiation. , 2019, , .		1
17	Toxicity of aromatic pollutants and photooxidative intermediates in water: A QSAR study. Ecotoxicology and Environmental Safety, 2019, 169, 918-927.	2.9	28
18	Reactivation and reuse of TiO2-SnS2 composite catalyst for solar-driven water treatment. Environmental Science and Pollution Research, 2018, 25, 2538-2551.	2.7	8

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19	Influence of process parameters on the effectiveness of photooxidative treatment of pharmaceuticals. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 338-351.	0.9	15
20	8. Water and wastewater treatment engineering. , 2018, , 241-276.		0
21	Influence of process parameters on the effectiveness of photooxidative treatment of emerging contaminants in water. AIP Conference Proceedings, 2018, , .	0.3	0
22	AOP degradation of emerging contaminants in water: Prediction of second order kinetics by QSPR modeling. AIP Conference Proceedings, 2018, , .	0.3	0
23	Elucidating the Photocatalytic Behavior of TiO2-SnS2 Composites Based on Their Energy Band Structure. Materials, 2018, 11, 1041.	1.3	17
24	Solar driven degradation of 17Î²-estradiol using composite photocatalytic materials and artificial irradiation source: Influence of process and water matrix parameters. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 361, 48-61.	2.0	17
25	Photooxidative Degradation of Pesticides in Water; Response Surface Modeling Approach. Journal of Advanced Oxidation Technologies, 2017, 20, .	0.5	4
26	Prediction of biodegradability of aromatics in water using QSAR modeling. Ecotoxicology and Environmental Safety, 2017, 139, 139-149.	2.9	20
27	TiO2-SnS2 nanocomposites: solar-active photocatalytic materials for water treatment. Environmental Science and Pollution Research, 2017, 24, 19965-19979.	2.7	16
28	Reuse of TiO 2 -based catalyst for solar driven water treatment; thermal and chemical reactivation. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 333, 117-129.	2.0	18
29	UV photolysis of diclofenac in water; kinetics, degradation pathway and environmental aspects. Environmental Science and Pollution Research, 2016, 23, 14908-14917.	2.7	42
30	Solar-driven photocatalytic treatment of diclofenac using immobilized TiO2-based zeolite composites. Environmental Science and Pollution Research, 2016, 23, 17982-17994.	2.7	34
31	Diclofenac removal by simulated solar assisted photocatalysis using TiO2-based zeolite catalyst; mechanisms, pathways and environmental aspects. Chemical Engineering Journal, 2016, 304, 289-302.	6.6	113
32	Comparative analysis of UV-C/H2O2 and UV-A/TiO2 processes for the degradation of diclofenac in water. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 451-462.	0.8	15
33	Comparative study on photooxidative treatment of diclofenac: Response surface and mechanistic modeling. Journal of Water Process Engineering, 2016, 10, 78-88.	2.6	18
34	Removal of diclofenac from water by zeolite-assisted advanced oxidation processes. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 238-247.	2.0	38
35	Modeling Photo-oxidative Degradation of Aromatics in Water. Optimization Study Using Response Surface and Structural Relationship Approaches. Industrial & Engineering Chemistry Research, 2015, 54, 5427-5441.	1.8	12
36	Prediction of key structural features responsible for aromaticity of single-benzene ring pollutants and their photooxidative intermediates. Chemical Engineering Journal, 2015, 276, 261-273.	6.6	12

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37	Structural Influence on Photooxidative Degradation of Halogenated Phenols. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	13
38	Photooxidative Degradation of Aromatic Carboxylic Acids in Water: Influence of Hydroxyl Substituents. Industrial & Engineering Chemistry Research, 2014, 53, 10590-10598.	1.8	24
39	Modeling of photooxidative degradation of aromatics in water matrix; combination of mechanistic and structural-relationship approach. Chemical Engineering Journal, 2014, 257, 229-241.	6.6	32
40	Structural aspects of the degradation of sulfoaromatics by the UV/H2O2 process. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 293, 1-11.	2.0	20
41	Environmental aspects of photooxidative treatment of phenolic compounds. Journal of Hazardous Materials, 2013, 262, 377-386.	6.5	36
42	Modeling of photodegradation kinetics of aromatic pollutants in water matrix. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 271, 65-76.	2.0	13
43	Environmental aspects on the photodegradation of reactive triazine dyes in aqueous media. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 252, 131-144.	2.0	33
44	Application of Sensitivity and Flux Analyses for the Reduction of Model Predicting the Photooxidative Degradation of an Azo Dye in Aqueous Media. Environmental Modeling and Assessment, 2012, 17, 653-671.	1.2	5
45	Photooxidation of benzene-structured compounds: Influence of substituent type on degradation kinetic and sum water parameters. Water Research, 2012, 46, 3074-3084.	5.3	20
46	Influence of substituent type and position on photooxidation of phenolic compounds: Response surface methodology approach. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 242, 1-12.	2.0	12
47	Treatment of chlorophenols in water matrix by UV/ferrioxalate system: Part I. Key process parameter evaluation by response surface methodology. Desalination, 2011, 279, 258-268.	4.0	17
48	Treatment of chlorophenols in water matrix by UV/ferri-oxalate system: Part II. Degradation mechanisms and ecological parameters evaluation. Desalination, 2011, 280, 208-216.	4.0	18
49	Treatment of simulated industrial wastewater by photo-Fenton process: Part II. The development of mechanistic model. Chemical Engineering Journal, 2011, 173, 280-289.	6.6	38
50	Modeling of iron activated persulfate oxidation treating reactive azo dye in water matrix. Chemical Engineering Journal, 2011, 172, 109-121.	6.6	182
51	Photooxidation processes for an azo dye in aqueous media: Modeling of degradation kinetic and ecological parameters evaluation. Journal of Hazardous Materials, 2011, 185, 1558-1568.	6.5	43
52	Iron-Activated Persulfate Oxidation of an Azo Dye in Model Wastewater: Influence of Iron Activator Type on Process Optimization. Journal of Environmental Engineering, ASCE, 2011, 137, 454-463.	0.7	44
53	Treatment of Chlorophenols by UV-Based Processes: Correlation of Oxidation By-Products, Wastewater Parameters, and Toxicity. Journal of Environmental Engineering, ASCE, 2011, 137, 639-649.	0.7	24
54	Degradation of chlorinated hydrocarbons by UV/H2O2: The application of experimental design and kinetic modeling approach. Chemical Engineering Journal, 2010, 158, 154-166.	6.6	65

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55	Heterogeneous Fenton type processes for the degradation of organic dye pollutant in water â€" The application of zeolite assisted AOPs. Desalination, 2010, 257, 22-29.	4.0	154
56	Decolorization and Mineralization of Reactive Dye by UV/Fenton Process. Separation Science and Technology, 2010, 45, 1637-1643.	1.3	14
57	Modeling dye degradation kinetic using dark- and photo-Fenton type processes. Chemical Engineering Journal, 2009, 155, 144-154.	6.6	42
58	Fenton type processes for minimization of organic content in coloured wastewaters. Part II: Combination with zeolites. Dyes and Pigments, 2007, 74, 388-395.	2.0	21
59	Comparative study of UV/TiO2, UV/ZnO and photo-Fenton processes for the organic reactive dye degradation in aqueous solution. Journal of Hazardous Materials, 2007, 148, 477-484.	6.5	172
60	Fenton type processes for minimization of organic content in coloured wastewaters: Part I: Processes optimization. Dyes and Pigments, 2007, 74, 380-387.	2.0	78
61	Advanced Oxidation Processes in Azo Dye Wastewater Treatment. Water Environment Research, 2006, 78, 572-579.	1.3	46
62	Minimization of organic pollutant content in aqueous solution by means of AOPs: UV- and ozone-based technologies. Chemical Engineering Journal, 2006, 123, 127-137.	6.6	159
63	Photo-assisted Fenton type processes for the degradation of phenol: A kinetic study. Journal of Hazardous Materials, 2006, 136, 632-644.	6.5	163
64	Advanced oxidation processes in azo dye wastewater treatment. Water Environment Research, 2006, 78, 572-9.	1.3	2
65	Organic synthetic dye degradation by modified pinhole discharge. European Physical Journal D, 2004, 54, C958-C963.	0.4	18
66	Removal of some reactive dyes from synthetic wastewater by combined Al(III) coagulation/carbon adsorption process. Dyes and Pigments, 2004, 62, 291-298.	2.0	327
67	The Removal of Direct Orange 39 by Pulsed Corona Discharge From Model Wastewater. Environmental Technology (United Kingdom), 2004, 25, 791-800.	1.2	16
68	Cleaner production processes in the synthesis of blue anthraquinone reactive dyes. Dyes and Pigments, 1999, 44, 33-40.	2.0	27
69	Low-Toxicity Copper Corrosion Inhibitors. Corrosion, 1998, 54, 713-720.	0.5	93
70	Metallic behaviour in copper-lead murdochite oxide. Materials Research Bulletin, 1993, 28, 741-747.	2.7	5
71	Comparative study on photocatalytic treatment of diclofenac: slurry vs. immobilized processes. , 0, 81, 170-185.		1