Ana Loncaric Bozic

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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
2	Modeling of iron activated persulfate oxidation treating reactive azo dye in water matrix. Chemical Engineering Journal, 2011, 172, 109-121.	6.6	182
3	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
4	Photo-assisted Fenton type processes for the degradation of phenol: A kinetic study. Journal of Hazardous Materials, 2006, 136, 632-644.	6.5	163
5	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
6	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
7	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
8	Low-Toxicity Copper Corrosion Inhibitors. Corrosion, 1998, 54, 713-720.	0.5	93
9	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
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	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
12	Advanced Oxidation Processes in Azo Dye Wastewater Treatment. Water Environment Research, 2006, 78, 572-579.	1.3	46
13	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
14	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
15	Modeling dye degradation kinetic using dark- and photo-Fenton type processes. Chemical Engineering Journal, 2009, 155, 144-154.	6.6	42
16	UV photolysis of diclofenac in water; kinetics, degradation pathway and environmental aspects. Environmental Science and Pollution Research, 2016, 23, 14908-14917.	2.7	42
17	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
18	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

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19	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
20	Environmental aspects of photooxidative treatment of phenolic compounds. Journal of Hazardous Materials, 2013, 262, 377-386.	6.5	36
21	Solar-driven photocatalytic treatment of diclofenac using immobilized TiO2-based zeolite composites. Environmental Science and Pollution Research, 2016, 23, 17982-17994.	2.7	34
22	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
23	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
24	Toxicity of aromatic pollutants and photooxidative intermediates in water: A QSAR study. Ecotoxicology and Environmental Safety, 2019, 169, 918-927.	2.9	28
25	Cleaner production processes in the synthesis of blue anthraquinone reactive dyes. Dyes and Pigments, 1999, 44, 33-40.	2.0	27
26	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
27	Photooxidative Degradation of Aromatic Carboxylic Acids in Water: Influence of Hydroxyl Substituents. Industrial & Engineering Chemistry Research, 2014, 53, 10590-10598.	1.8	24
28	Key structural features promoting radical driven degradation of emerging contaminants in water. Environment International, 2019, 124, 38-48.	4.8	24
29	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
30	Tailored BiVO4 for enhanced visible-light photocatalytic performance. Journal of Environmental Chemical Engineering, 2021, 9, 106025.	3.3	22
31	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
32	Toxicity of pharmaceuticals in binary mixtures: Assessment by additive and non-additive toxicity models. Ecotoxicology and Environmental Safety, 2019, 185, 109696.	2.9	21
33	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
34	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
35	Prediction of biodegradability of aromatics in water using QSAR modeling. Ecotoxicology and Environmental Safety, 2017, 139, 139-149.	2.9	20
36	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

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37	Organic synthetic dye degradation by modified pinhole discharge. European Physical Journal D, 2004, 54, C958-C963.	0.4	18
38	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
39	Comparative study on photooxidative treatment of diclofenac: Response surface and mechanistic modeling. Journal of Water Process Engineering, 2016, 10, 78-88.	2.6	18
40	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
41	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
42	Elucidating the Photocatalytic Behavior of TiO2-SnS2 Composites Based on Their Energy Band Structure. Materials, 2018, 11, 1041.	1.3	17
43	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
44	Combined toxicities of binary mixtures of alachlor, chlorfenvinphos, diuron and isoproturon. Chemosphere, 2020, 240, 124973.	4.2	17
45	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
46	The Removal of Direct Orange 39 by Pulsed Corona Discharge From Model Wastewater. Environmental Technology (United Kingdom), 2004, 25, 791-800.	1.2	16
47	TiO2-SnS2 nanocomposites: solar-active photocatalytic materials for water treatment. Environmental Science and Pollution Research, 2017, 24, 19965-19979.	2.7	16
48	Environmental aspects of UV-C-based processes for the treatment of oxytetracycline in water. Environmental Pollution, 2021, 277, 116797.	3.7	16
49	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
50	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
51	Decolorization and Mineralization of Reactive Dye by UV/Fenton Process. Separation Science and Technology, 2010, 45, 1637-1643.	1.3	14
52	Modeling of photodegradation kinetics of aromatic pollutants in water matrix. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 271, 65-76.	2.0	13
53	Structural Influence on Photooxidative Degradation of Halogenated Phenols. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	13
54	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

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55	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
56	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
57	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
58	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
59	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
60	Metallic behaviour in copper-lead murdochite oxide. Materials Research Bulletin, 1993, 28, 741-747.	2.7	5
61	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
62	Photooxidative Degradation of Pesticides in Water; Response Surface Modeling Approach. Journal of Advanced Oxidation Technologies, 2017, 20, .	0.5	4
63	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
64	Advanced oxidation processes in azo dye wastewater treatment. Water Environment Research, 2006, 78, 572-9.	1.3	2
65	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
66	Building Soft Sensors using Artificial Intelligence: Use Case on Daily Solar Radiation. , 2019, , .		1
67	Comparative study on photocatalytic treatment of diclofenac: slurry vs. immobilized processes. , 0, 81, 170-185.		1
68	8. Water and wastewater treatment engineering. , 2018, , 241-276.		0
69	Influence of process parameters on the effectiveness of photooxidative treatment of emerging contaminants in water. AIP Conference Proceedings, 2018, , .	0.3	0
70	AOP degradation of emerging contaminants in water: Prediction of second order kinetics by QSPR modeling. AIP Conference Proceedings, 2018, , .	0.3	0
71	Modeling of Photooxidative Degradation of Aromatics in Water Matrix: A Quantitative Structureâ"Property Relationship Approach. ACS Symposium Series, 2019, , 257-292.	0.5	0