Ali Reza Soleymani

List of Publications by Year
in descending order

27 papers	788 citations	686830 13 h-index	525886 27 g-index
27 all docs	27 docs citations	27 times ranked	945 citing authors

#	Article	IF	Citations
1	Synthesis of p–n heterojunction SrFeO3–x/TiO2 via thermal treatment/hydrolysis precipitation method with enhanced visible-light activity. Journal of Materials Science: Materials in Electronics, 2022, 33, 5790-5805.	1.1	4
2	A comprehensive research on BiFeO3/TiO2 nanocomposite synthesized via thermal treatment/hydrolysis precipitation method. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	3
3	Enhanced visible light activity of EuFeO3/TiO2 nanocomposites prepared by thermal treatment–hydrolysis precipitation method. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	9
4	Artificial neural network modeling of a pilot plant jet-mixing UV/hydrogen peroxide wastewater treatment system. Chemical Engineering Communications, 2019, 206, 1297-1309.	1.5	6
5	Nano-titania/light expanded clay aggregate fixed bed as an effective adsorbent for removal of organic pollutant from water: Equilibrium and kinetic studies. Journal of Cleaner Production, 2019, 211, 1328-1338.	4.6	11
6	Performance and modeling of UV/persulfate/Ce(IV) process as a dual oxidant photochemical treatment system: Kinetic study and operating cost estimation. Chemical Engineering Journal, 2018, 347, 243-251.	6.6	27
7	Homogenous Persulfate and Periodate Photochemical Treatment of Furfural in Aqueous Solutions. Clean - Soil, Air, Water, 2017, 45, 1600460.	0.7	11
8	Degradation of nitro-aromatic explosives using recyclable magnetic photocatalyst: Catalyst synthesis and process optimization. Journal of Hazardous Materials, 2017, 325, 310-318.	6.5	57
9	Development of UV/H2O2/TiO2–LECA hybrid process based on operating cost: Application of an effective fixed bed photo-catalytic recycled reactor. Journal of Industrial and Engineering Chemistry, 2016, 44, 90-98.	2.9	15
10	Growth, Survival, Protein Content, and Phytoremediation Potency of Various Rangeland Plant Species (*Medicago polymorpha* L., *Medicago rigidula* L., and *Onobrychis sativa* L.) Grown in Vermicompost-Containing Potting Media. Communications in Soil Science and Plant Analysis, 2016, 47, 2261-2270.	0.6	1
11	Mineralization of unsymmetrical dimethylhydrazine (UDMH) via persulfate activated by zero valent iron nano particles: modeling, optimization and cost estimation. Desalination and Water Treatment, 2016, 57, 16119-16128.	1.0	9
12	Degradation of Rhodamine B by an electrochemical ozone generating system consist of a Ti anode coated with nanocomposite of Sn–Sb–Ni oxide. Chemical Engineering Research and Design, 2015, 94, 140-148.	2.7	13
13	Investigation on removal of p-nitrophenol using a hybridized photo-thermal activated persulfate process: Central composite design modeling. Chemical Engineering Research and Design, 2015, 98, 109-115.	2.7	43
14	Development of a four-layered ANN for simulation of an electrochemical water treatment process. Desalination and Water Treatment, 2015, 56, 388-398.	1.0	5
15	Waste to wealth: a sustainable aquaponic system based on residual nitrogen photoconversion. RSC Advances, 2015, 5, 3917-3921.	1.7	16
16	Modeling and optimization of a sono-assisted photocatalytic water treatment process via central composite design methodology. Chemical Engineering Research and Design, 2015, 94, 307-314.	2.7	37
17	Parameter evaluation, kinetics, and energy consumption for Cr(VI) photocatalytic reduction under mild conditions. Journal of the Iranian Chemical Society, 2014, 11, 1439-1448.	1.2	8
18	Operation simulation of a recycled electrochemical ozone generator using artificial neural network. Chemical Engineering Research and Design, 2014, 92, 2618-2625.	2.7	12

#	Article	IF	Citations
19	Optimized photocatalytic conversion of Ni(II) ions with very low titania nanoparticles at different temperatures; kinetics and energy consumption. Separation and Purification Technology, 2014, 134, 187-195.	3.9	10
20	Feasibility of using a slurry falling film photo-reactor for individual and hybridized AOPs. Journal of Industrial and Engineering Chemistry, 2012, 18, 1683-1688.	2.9	46
21	Modeling Fentonic advanced oxidation process decolorization of Direct Red 16 using artificial neural network technique. Desalination and Water Treatment, 2012, 40, 174-182.	1.0	19
22	Removal of Acid Brown 14 in aqueous media by electrocoagulation: Optimization parameters and minimizing of energy consumption. Desalination, 2011, 278, 295-302.	4.0	69
23	Parametric optimization of individual and hybridized AOPs of Fe2+/H2O2 and UV/S2O82− for rapid dye destruction in aqueous media. Desalination, 2011, 279, 298-305.	4.0	60
24	Artificial neural networks developed for prediction of dye decolorization efficiency with UV/K2S2O8 process. Chemical Engineering Journal, 2011, 170, 29-35.	6.6	53
25	Sono-assisted photocatalytic degradation of styrene-acrylic acid copolymer in aqueous media with nano titania particles and kinetic studies. Journal of Hazardous Materials, 2010, 177, 1031-1038.	6.5	65
26	Electrochemical oxidation of an azo dye in aqueous media investigation of operational parameters and kinetics. Journal of Hazardous Materials, 2009, 168, 997-1003.	6.5	58
27	Degradation and mineralization of Direct Blue 71 in a circulating upflow reactor by UV/TiO2 process and employing a new method in kinetic study. Journal of Hazardous Materials, 2007, 144, 506-512.	6.5	121