

Noureddine Nasrallah

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

740
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous removal of antibiotics and inactivation of antibiotic-resistant bacteria by photocatalysis: A review. <i>Journal of Water Process Engineering</i> , 2021, 42, 102089.	5.6	181
2	Peroxidase enzymes as green catalysts for bioremediation and biotechnological applications: A review. <i>Science of the Total Environment</i> , 2022, 806, 150500.	8.0	59
3	High efficient Cefixime removal from water by the sillenite Bi ₁₂ TiO ₂₀ : Photocatalytic mechanism and degradation pathway. <i>Journal of Cleaner Production</i> , 2022, 330, 129934.	9.3	54
4	Treatment of hospital indoor air by a hybrid system of combined plasma with photocatalysis: Case of trichloromethane. <i>Chemical Engineering Journal</i> , 2018, 349, 276-286.	12.7	49
5	Artificial neural network modeling of cefixime photodegradation by synthesized CoBi ₂ O ₄ nanoparticles. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15436-15452.	5.3	45
6	A comparative study of ceramic nanoparticles synthesized for antibiotic removal: catalysis characterization and photocatalytic performance modeling. <i>Environmental Science and Pollution Research</i> , 2021, 28, 13900-13912.	5.3	39
7	Synthesis and Characterization of ZnBi ₂ O ₄ Nanoparticles: Photocatalytic Performance for Antibiotic Removal under Different Light Sources. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3975.	2.5	39
8	Structural and electrochemical characterizations of Bi ₁₂ CoO ₂₀ sillenite crystals: degradation and reduction of organic and inorganic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16411-16420.	2.2	39
9	Relevance of a hybrid process coupling adsorption and visible light photocatalysis involving a new hetero-system CuCo ₂ O ₄ /TiO ₂ for the removal of hexavalent chromium. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 548-559.	6.7	32
10	Photocatalytic treatment of petroleum industry wastewater using recirculating annular reactor: comparison of experimental and modeling. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19035-19046.	5.3	30
11	Bio-based and cost effective method for phenolic compounds removal using cross-linked enzyme aggregates. <i>Journal of Hazardous Materials</i> , 2021, 403, 124021.	12.4	26
12	Techno-economic studies for a pilot-scale Bi ₁₂ TiO ₂₀ based photocatalytic system for pharmaceutical wastewater treatment: From laboratory studies to commercial-scale applications. <i>Journal of Water Process Engineering</i> , 2022, 48, 102847.	5.6	24
13	Ozone compatibility with polymer nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021, 618, 118656.	8.2	21
14	Application of Bi ₁₂ ZnO ₂₀ Sillenite as an Efficient Photocatalyst for Wastewater Treatment: Removal of Both Organic and Inorganic Compounds. <i>Materials</i> , 2021, 14, 5409.	2.9	17
15	Facile synthesis, structural and optical characterizations of Bi ₁₂ ZnO ₂₀ sillenite crystals: Application for Cefuroxime removal from wastewater. <i>Materials Letters</i> , 2021, 304, 130658.	2.6	15
16	Innovative photocatalytic luminous textiles optimized towards water treatment: Performance evaluation of photoreactors. <i>Chemical Engineering Journal</i> , 2021, 416, 129195.	12.7	12
17	Opto-electrochemical characteristics of synthesized BaFe ₂ O ₄ nanocomposites: Photocatalytic degradation and hydrogen generation investigation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 12039-12051.	7.1	12
18	Water treatment intensification using a monophasic hybrid process coupling nanofiltration and ozone/hydrogen peroxide advanced oxidation. <i>Chemical Engineering Journal</i> , 2022, 437, 135263.	12.7	10

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19	Anti-inflammatory activity of essential oil of an endemic <i>Thymus fontanesii</i> Boiss. & Reut. with chemotype carvacrol, and its healing capacity on gastric lesions. Journal of Food Biochemistry, 2017, 41, e12359.	2.9	9
20	Characterization and application of the spinel CuCr2O4 synthesized by sol-gel method for sunset yellow photodegradation. Journal of Sol-Gel Science and Technology, 2022, 101, 390-400.	2.4	9
21	An engineering approach towards the design of an innovative compact photo-reactor for antibiotic removal in the frame of laboratory and pilot-plant scale. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113445.	3.9	7
22	Reconsideration of the contribution of photogenerated ROS in methyl orange degradation on TiO2, Cu2O, WO3, and Bi2O3 under low-intensity simulated solar light: mechanistic understanding of photocatalytic activity. Euro-Mediterranean Journal for Environmental Integration, 2021, 6, 1.	1.3	6
23	Zn-Fe Layered Double Hydroxides Synthesized by Three (03) Methods of Coprecipitation : Application to the Removal of Cochineal Red Dye from Aqueous Solution. Fibers and Polymers, 2021, 22, 3358-3367.	2.1	5
24	Synthesis, structural, and opto-electrochemical properties of cobalt aluminate type spinel and its use with ZnO for Cr(VI) photoreduction. Environmental Science and Pollution Research, 2021, , 1.	5.3	0
25	Effect of the synthesis pH, the nature of the divalent cations and the metal salt concentration on the formation of layered double hydroxides for removal of Cochineal Red A dye from aqueous solutions. Journal of Chemical Research, 2022, 46, 174751982110605.	1.3	0