Esra Bilgin Simsek

List of Publications by Year
in descending order

36 papers	1,000 citations	430442 18 h-index	433756 31 g-index
37 all docs	37 docs citations	37 times ranked	1355 citing authors

#	Article	IF	Citations
1	Deposition of CaFe2O4 and LaFeO3 perovskites on polyurethane filter: A new photocatalytic support for flowthrough degradation of tetracycline antibiotic. Environmental Research, 2022, 205, 112389.	3.7	12
2	Understanding the structural and photocatalytic effects of incorporation of hexagonal boron nitride whiskers into ferrite type perovskites (BiFeO3, MnFeO3) for effective removal of pharmaceuticals from real wastewater. Journal of Alloys and Compounds, 2022, 898, 162897.	2.8	28
3	Removal of naproxen from wastewater using chitosanâ€“aerogelâ€“activated carbon biocomposites: Theory, equilibrium, kinetics, thermodynamics, and process optimization. Water Environment Research, 2022, 94, e10699.	1.3	1
4	Construction of novel Zn2TiO4/g-C3N4 Heterojunction with efficient photodegradation performance of tetracycline under visible light irradiation. Environmental Science and Pollution Research, 2021, 28, 10005-10017.	2.7	15
5	UV-A light irradiated photocatalytic performance of hydrothermally obtained W doped BaZrO3 catalyst against the degradation of levofloxacin and tetracycline antibiotic. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 404, 112869.	2.0	24
6	Anchoring LaFeO3 perovskites on the polyester filters for flowthrough photocatalytic degradation of organic pollutants. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113405.	2.0	19
7	Exploring nicotine adsorption performance of commercial XAD-4 resin: Experimental design, isotherm, kinetic modelling and regeneration. Journal of Environmental Chemical Engineering, 2021, 9, 106853.	3.3	4
8	Enhanced photocatalytic degradation of tetracycline using hydrothermally synthesized carbon fiber decorated BaTiO3. Materials Chemistry and Physics, 2020, 241, 122236.	2.0	32
9	Construction of stable perovskite-type LaFeO3 particles on polymeric resin with boosted photocatalytic Fenton-like decaffeination under solar irradiation. Separation and Purification Technology, 2020, 237, 116384.	3.9	28
10	Insights into the photocatalytic behavior of carbon-rich shungite-based WO3/TiO2 catalysts for enhanced dye and pharmaceutical degradation. New Carbon Materials, 2020, 35, 371-383.	2.9	32
11	Promoting the photocatalytic removal rate of ciprofloxacin antibiotic over carbon fiber decorated tungsten trioxide/titanium dioxide catalysts. Chemical Engineering Communications, 2020, , 1-10.	1.5	1
12	Carbon nanofiber based CuO nanorod counter electrode for enhanced solar cell performance and adsorptive photocatalytic activity. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	8
13	Novel metal-free intercalation of g-C3N4 using hyperbranched copolymer for efficient photocatalytic degradation of tetracycline. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112519.	2.0	18
14	Novel shungite based Bi2WO6 carbocatalyst with high photocatalytic degradation of tetracycline under visible light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111849.	2.0	13
15	Solvothermal synthesis of WO₃/TiO₂/carbon fiber composite photocatalysts for enhanced performance under sunlight illumination. Photochemistry and Photobiology, 2019, 95, 1331-1338.	1.3	15
16	Facile synthesis of flakeâ€'like Bi2WO6/carbon fiber heterojunction catalysts with enhanced photoactivity under visible light illumination. Optik, 2019, 183, 38-46.	1.4	8
17	Novel composite sorbents based on carbon fibers decorated with ferric hydroxides â€“ simultaneous removal of antimonate and arsenate from aqueous solutions. Water Science and Technology: Water Supply, 2019, 19, 838-845.	1.0	2
18	Visible-light-enhanced photoactivity of perovskite-type W-doped BaTiO3 photocatalyst for photodegradation of tetracycline. Journal of Alloys and Compounds, 2019, 774, 795-802.	2.8	64

#	Article	IF	Citations
19	Water defluoridation by alumina modified Turkey clinoptilolite: equilibrium, kinetic models and experimental design approaches. Water Science and Technology: Water Supply, 2018, 18, 14-22.	1.0	3
20	Graphene oxide based heterojunction TiO 2 â€“ZnO catalysts with outstanding photocatalytic performance for bisphenol-A, ibuprofen and flurbiprofen. Journal of Industrial and Engineering Chemistry, 2018, 59, 115-126.	2.9	65
21	Fabrication of carbon fiber supported zirconiumâ€“titanium nanocomposites for efficient photocatalytic decolorization of Orange II dye under visible light irradiation. Reaction Kinetics, Mechanisms and Catalysis, 2018, 124, 89-99.	0.8	9
22	Fabrication of Zr-doped TiO2/chitosan composite catalysts with enhanced visible-light-mediated photoactivity for the degradation of Orange II dye. Water Science and Technology, 2018, 78, 487-495.	1.2	10
23	Novel composite sorbents based on carbon fibers decorated with ferric hydroxidesâ€”Arsenic removal. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2237.	0.8	5
24	Carbon fiber embedded chitosan/PVA composites for decontamination of endocrine disruptor bisphenol-A from water. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 291-301.	2.7	26
25	Microporous carbon fibers prepared from cellulose as efficient sorbents for removal of chlorinated phenols. Research on Chemical Intermediates, 2017, 43, 503-522.	1.3	21
26	Solvothermal synthesized boron doped TiO2 catalysts: Photocatalytic degradation of endocrine disrupting compounds and pharmaceuticals under visible light irradiation. Applied Catalysis B: Environmental, 2017, 200, 309-322.	10.8	239
27	A comparative study of 2-chlorophenol, 2,4-dichlorophenol, and 2,4,6-trichlorophenol adsorption onto polymeric, commercial, and carbonaceous adsorbents. Desalination and Water Treatment, 2016, 57, 9940-9956.	1.0	14
28	A statistical approach for arsenic adsorption onto Turkey clinoptilolite. Environmental Science and Pollution Research, 2015, 22, 3249-3256.	2.7	15
29	Equilibrium arsenic adsorption onto metallic oxides : Isotherm models, error analysis and removal mechanism. Korean Journal of Chemical Engineering, 2014, 31, 2057-2069.	1.2	20
30	Factorial design analysis of As(V) adsorption onto iron-aluminum binary oxide-doped clinoptilolite. Desalination and Water Treatment, 2014, 52, 7812-7821.	1.0	6
31	Predicting the dynamics and performance of selective polymeric resins in a fixed bed system for boron removal. Desalination, 2014, 349, 39-50.	4.0	35
32	Optimization of Process Parameters for Removal of Arsenic Using Activated Carbon-Based Iron-Containing Adsorbents by Response Surface Methodology. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	22
33	Process Optimization for Arsenic Adsorption onto Natural Zeolite Incorporating Metal Oxides by Response Surface Methodology. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	22
34	Removal of As(V) from aqueous solution by activated carbon-based hybrid adsorbents: Impact of experimental conditions. Chemical Engineering Journal, 2013, 223, 116-128.	6.6	94
35	Zeolite supported mono- and bimetallic oxides: Promising adsorbents for removal of As(V) in aqueous solutions. Chemical Engineering Journal, 2013, 220, 402-411.	6.6	51
36	Heavy Metal Adsorption by Magnetic Hybrid-Sorbent: An Experimental and Theoretical Approach. Separation Science and Technology, 2012, 47, 1334-1340.	1.3	19