

Esra Bilgin Simsek

List of Publications by Year in descending order

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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	Solvothermal synthesized boron doped TiO ₂ catalysts: Photocatalytic degradation of endocrine disrupting compounds and pharmaceuticals under visible light irradiation. Applied Catalysis B: Environmental, 2017, 200, 309-322.	10.8	239
2	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
3	Graphene oxide based heterojunction TiO ₂ / 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
4	Visible-light-enhanced photoactivity of perovskite-type W-doped BaTiO ₃ photocatalyst for photodegradation of tetracycline. Journal of Alloys and Compounds, 2019, 774, 795-802.	2.8	64
5	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
6	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
7	Enhanced photocatalytic degradation of tetracycline using hydrothermally synthesized carbon fiber decorated BaTiO ₃ . Materials Chemistry and Physics, 2020, 241, 122236.	2.0	32
8	Insights into the photocatalytic behavior of carbon-rich shungite-based WO ₃ /TiO ₂ catalysts for enhanced dye and pharmaceutical degradation. New Carbon Materials, 2020, 35, 371-383.	2.9	32
9	Construction of stable perovskite-type LaFeO ₃ particles on polymeric resin with boosted photocatalytic Fenton-like decaffeination under solar irradiation. Separation and Purification Technology, 2020, 237, 116384.	3.9	28
10	Understanding the structural and photocatalytic effects of incorporation of hexagonal boron nitride whiskers into ferrite type perovskites (BiFeO ₃ , MnFeO ₃) for effective removal of pharmaceuticals from real wastewater. Journal of Alloys and Compounds, 2022, 898, 162897.	2.8	28
11	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
12	UV-A light irradiated photocatalytic performance of hydrothermally obtained W doped BaZrO ₃ catalyst against the degradation of levofloxacin and tetracycline antibiotic. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 404, 112869.	2.0	24
13	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
14	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
15	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
16	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
17	Heavy Metal Adsorption by Magnetic Hybrid-Sorbent: An Experimental and Theoretical Approach. Separation Science and Technology, 2012, 47, 1334-1340.	1.3	19
18	Anchoring LaFeO ₃ 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

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19	Novel metal-free intercalation of g-C ₃ N ₄ using hyperbranched copolymer for efficient photocatalytic degradation of tetracycline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 396, 112519.	2.0	18
20	A statistical approach for arsenic adsorption onto Turkey clinoptilolite. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3249-3256.	2.7	15
21	Solvothermal synthesis of WO ₃ /TiO ₂ /carbon fiber composite photocatalysts for enhanced performance under sunlight illumination. <i>Photochemistry and Photobiology</i> , 2019, 95, 1331-1338.	1.3	15
22	Construction of novel Zn ₂ TiO ₄ /g-C ₃ N ₄ Heterojunction with efficient photodegradation performance of tetracycline under visible light irradiation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 10005-10017.	2.7	15
23	A comparative study of 2-chlorophenol, 2,4-dichlorophenol, and 2,4,6-trichlorophenol adsorption onto polymeric, commercial, and carbonaceous adsorbents. <i>Desalination and Water Treatment</i> , 2016, 57, 9940-9956.	1.0	14
24	Novel shungite based Bi ₂ WO ₆ carbocatalyst with high photocatalytic degradation of tetracycline under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 380, 111849.	2.0	13
25	Deposition of CaFe ₂ O ₄ and LaFeO ₃ perovskites on polyurethane filter: A new photocatalytic support for flowthrough degradation of tetracycline antibiotic. <i>Environmental Research</i> , 2022, 205, 112389.	3.7	12
26	Fabrication of Zr-doped TiO ₂ /chitosan composite catalysts with enhanced visible-light-mediated photoactivity for the degradation of Orange II dye. <i>Water Science and Technology</i> , 2018, 78, 487-495.	1.2	10
27	Fabrication of carbon fiber supported zirconium-titanium nanocomposites for efficient photocatalytic decolorization of Orange II dye under visible light irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 124, 89-99.	0.8	9
28	Facile synthesis of flake-like Bi ₂ WO ₆ /carbon fiber heterojunction catalysts with enhanced photoactivity under visible light illumination. <i>Optik</i> , 2019, 183, 38-46.	1.4	8
29	Carbon nanofiber based CuO nanorod counter electrode for enhanced solar cell performance and adsorptive photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	8
30	Factorial design analysis of As(V) adsorption onto iron-aluminum binary oxide-doped clinoptilolite. <i>Desalination and Water Treatment</i> , 2014, 52, 7812-7821.	1.0	6
31	Novel composite sorbents based on carbon fibers decorated with ferric hydroxides-Arsenic removal. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2237.	0.8	5
32	Exploring nicotine adsorption performance of commercial XAD-4 resin: Experimental design, isotherm, kinetic modelling and regeneration. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106853.	3.3	4
33	Water defluoridation by alumina modified Turkey clinoptilolite: equilibrium, kinetic models and experimental design approaches. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 14-22.	1.0	3
34	Novel composite sorbents based on carbon fibers decorated with ferric hydroxides simultaneous removal of antimonate and arsenate from aqueous solutions. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 838-845.	1.0	2
35	Promoting the photocatalytic removal rate of ciprofloxacin antibiotic over carbon fiber decorated tungsten trioxide/titanium dioxide catalysts. <i>Chemical Engineering Communications</i> , 2020, , 1-10.	1.5	1
36	Removal of naproxen from wastewater using chitosan-aerogel-activated carbon biocomposites: Theory, equilibrium, kinetics, thermodynamics, and process optimization. <i>Water Environment Research</i> , 2022, 94, e10699.	1.3	1