Fatih Duman

List of Publications by Year
in descending order

48 papers	1,442 citations	361413 20 h-index	330143 37 g-index
50 all docs	50 docs citations	50 times ranked	2081 citing authors

#	Article	IF	Citations
1	Chamomile flower extract-directed CuO nanoparticle formation for its antioxidant and DNA cleavage properties. Materials Science and Engineering C, 2016, 60, 333-338.	7.3	139
2	Biosynthesis of silver nanoparticles using leaf extract of Aesculus hippocastanum (horse chestnut): Evaluation of their antibacterial, antioxidant and drug release system activities. Materials Science and Engineering C, 2020, 107, 110207.	7.3	109
3	Biological responses of duckweed (Lemna minor L.) exposed to the inorganic arsenic species As(III) and As(V): effects of concentration and duration of exposure. Ecotoxicology, 2010, 19, 983-993.	2.4	96
4	Bioaccumulation, Detection and Analyses of Heavy Metal Pollution in Sultan Marsh and Its Environment. Water, Air, and Soil Pollution, 2005, 164, 241-255.	2.4	93
5	Seasonal changes of metal accumulation and distribution in common club rush (Schoenoplectus) Tj ETQq1 1 0.784314 rgBT /Overloc	2.4	87
6	A green approach for formation of silver nanoparticles on magnetic graphene oxide and highly effective antimicrobial activity and reusability. Journal of Molecular Liquids, 2017, 227, 147-152.	4.9	85
7	Seasonal Variability of Heavy Metals in Surface Sediment of Lake Sapanca, Turkey. Environmental Monitoring and Assessment, 2007, 133, 277-283.	2.7	63
8	Arsenic accumulation and biological responses of watercress (Nasturtium officinale R. Br.) exposed to arsenite. Environmental and Experimental Botany, 2010, 69, 167-174.	4.2	62
9	Formation of Matricaria chamomilla extract-incorporated Ag nanoparticles and size-dependent enhanced antimicrobial property. Journal of Photochemistry and Photobiology B: Biology, 2017, 174, 78-83.	3.8	62
10	Nickel accumulation and its effect on biomass, protein content and antioxidative enzymes in roots and leaves of watercress (Nasturtium officinale R. Br.). Journal of Environmental Sciences, 2010, 22, 526-532.	6.1	61
11	Effects of Exogenous Glycinebetaine and Trehalose on Cadmium Accumulation and Biological Responses of an Aquatic Plant (Lemna gibba L.). Water, Air, and Soil Pollution, 2011, 217, 545-556.	2.4	54
12	Seasonal changes of metal accumulation and distribution in shining pondweed (Potamogeton lucens). Chemosphere, 2006, 65, 2145-2151.	8.2	45
13	Crayfish chitosan for microencapsulation of coriander (Coriandrum sativum L.) essential oil. International Journal of Biological Macromolecules, 2016, 92, 125-133.	7.5	37
14	Temporal Variation of Metals in Water, Sediment and Tissues of the European Chup (Squalius cephalus) Tj ETQq0 0 0 rgBT /Overlock 10	2.7	35
15	High optoelectronic and antimicrobial performances of green synthesized ZnO nanoparticles using Aesculus hippocastanum. Environmental Chemistry Letters, 2017, 15, 547-552.	16.2	30
16	Cellular Interaction of Human Skin Cells towards Natural Bioink via 3D-Bioprinting Technologies for Chronic Wound: A Comprehensive Review. International Journal of Molecular Sciences, 2022, 23, 476.	4.1	24
17	Heavy Metal Accumulation and Distribution in Narrow-Leaved Cattail (Typha angustifolia) and Common Reed (Phragmites australis). Journal of Freshwater Ecology, 2005, 20, 783-785.	1.2	23
18	The quick extraction of chitin from an epizoic crustacean species (Chelonibia patula). Natural Product Research, 2014, 28, 2186-2190.	1.8	22

#	Article	IF	Citations
19	Growth and bioaccumulation characteristics of watercress (Nasturtium officinaleR. BR.) exposed to cadmium, cobalt and chromium. Chemical Speciation and Bioavailability, 2009, 21, 257-265.	2.0	21
20	An inclusive physicochemical comparison of natural and synthetic chitin films. International Journal of Biological Macromolecules, 2018, 106, 1062-1070.	7.5	21
21	Green synthesis and antimicrobial activity of ZnO nanostructures Punica granatum shell extract. Green Processing and Synthesis, 2017, 6, 317-323.	3.4	20
22	Evaluation of effects of exposure conditions on the biological responses of Gammarus pulex exposed to cadmium. International Journal of Environmental Science and Technology, 2015, 12, 437-444.	3.5	18
23	Temporal variation of heavy metal accumulation and translocation characteristics of narrow-leaved cattail (Typha angustifolia L.). Environmental Science and Pollution Research, 2015, 22, 17886-17896.	5.3	17
24	Genotoxic and cytotoxic activity of green synthesized TiO2 nanoparticles. Applied Nanoscience (Switzerland), 2019, 9, 815-823.	3.1	17
25	Single and Combined Effects of Exposure Concentration and Duration on Biological Responses ofCeratophyllum demersumL. Exposed to Cr Species. International Journal of Phytoremediation, 2014, 16, 1192-1208.	3.1	16
26	Bioaccumulation of Nickel, Copper, and Cadmium bySpirodela polyrhizaandLemna gibba. Journal of Freshwater Ecology, 2009, 24, 177-179.	1.2	15
27	Comparison of phytotoxic effects of bio-synthesised copper oxide nanoparticle and ionic copper on Elodea canadensis. Chemistry and Ecology, 2018, 34, 839-853.	1.6	14
28	Eco-Friendly Fabrication of Plasmonically Active Substrates Based on End-Grafted Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	6.7	14
29	Biological responses of a nonâ€target aquatic plant (Nasturtium officinale) to the herbicide, tribenuronâ€methyl. Weed Biology and Management, 2010, 10, 81-90.	1.4	13
30	Resting Eggs as New Biosorbent for Preconcentration of Trace Elements in Various Samples Prior to Their Determination by FAAS. Biological Trace Element Research, 2014, 159, 254-262.	3.5	13
31	Intracellular biosynthesis of PbS quantum dots using Pseudomonas aeruginosa ATCC 27853: evaluation of antibacterial effects and DNA cleavage activities. World Journal of Microbiology and Biotechnology, 2020, 36, 147.	3.6	13
32	Seasonal variation of metal accumulation and translocation in yellow pond-lily (Nuphar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	2.0	12
33	Characterisation of Î±-chitin extracted from a lichenised fungus species Xanthoria parietina. Natural Product Research, 2015, 29, 1280-1284.	1.8	12
34	Lake sediment based catalyst for hydrogen generation via methanolysis of sodium borohydride: an optimization study with artificial neural network modelling. Reaction Kinetics, Mechanisms and Catalysis, 2021, 134, 57.	1.7	11
35	Correlation Between Chlorophyll Degradation and the Amount of Heavy Metals Found in Pseudevernia furfuracea in Kayseri (Turkey). Ekoloji, 2011, 20, 82-88.	0.4	10
36	Uptake of Mineral Elements During Abiotic Stress. , 2012, , 267-281.		9

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37	Encapsulation of Flurbiprofen by Chitosan Using a Spray-Drying Method with <i>In Vitro</i> Drug Releasing and Molecular Docking. Turkish Journal of Pharmaceutical Sciences, 2017, 14, 34-39.	1.4	9
38	Influence of salinity on the growth and heavy metal accumulation capacity of Spirodela polyrrhiza (Lemnaceae). Turkish Journal of Biology, 0, , .	0.8	8
39	Influence of nutrient addition on growth and accumulation of cadmium and copper in Lemna gibba. Chemical Speciation and Bioavailability, 2010, 22, 157-164.	2.0	7
40	Effects of Exogenous Glycinebetaine and Trehalose on Lead Accumulation in an Aquatic Plant (Lemna gibba L.). International Journal of Phytoremediation, 2011, 13, 492-497.	3.1	5
41	Antimicrobial, Antioxidant, Cytotoxic and Wound Healing Effects of Thymbra sintenisii Extract. Indian Journal of Pharmaceutical Sciences, 2018, 80, .	1.0	5
42	Antagonist Effects of Sodium Chloride on the Biological Responses of an Aquatic Plant (Ceratophyllum demersum L.) Exposed to Hexavalent Chromium. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	4
43	Single and combined effects of exposure concentration and duration on chromium phytoaccumulation. Current Opinion in Biotechnology, 2011, 22, S145.	6.6	3
44	Habitat Selection, Diversity and Estimating the Species Richness of Rotifers in Two Ponds Located in Central Anatolia. Journal of Animal and Veterinary Advances, 2010, 9, 2437-2444.	0.1	3
45	Exogenous Salicylate Application Affects the Lead and Copper Accumulation Characteristics of Lemna gibba L.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2010, 65, 675-680.	1.4	2
46	A rapid synthesis of 2-((2-amino-4,6-dimethylpyrimidine-5yl)diazenyl)benzoic acid: Experimental, DFT study and DNA cleavage activity. Journal of Molecular Structure, 2018, 1171, 906-914.	3.6	2
47	DNA Cleavage Properties, Antimicrobial and Cytotoxic Activity and 4D-QSAR Analysis of Some Pyrazole Derivatives. Letters in Drug Design and Discovery, 2019, 16, 904-918.	0.7	1
48	Eco-friendly intracellular biosynthesis of CdS quantum dots using Pseudomonas aeruginosa: Evaluation of antimicrobial effects and DNA cleavage activities. Recent Patents on Nanotechnology, 2021, 15, .	1.3	0