

# Nalan Ȧzdemir

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,524  
citations

394390

19  
h-index

315719

38  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1358  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new generation approach in enzyme immobilization: Organic-inorganic hybrid nanoflowers with enhanced catalytic activity and stability. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 105-112.	3.2	191
2	Synthesis of copper ion incorporated horseradish peroxidase-based hybrid nanoflowers for enhanced catalytic activity and stability. <i>Dalton Transactions</i> , 2015, 44, 13845-13852.	3.3	141
3	Preparation of lactoperoxidase incorporated hybrid nanoflower and its excellent activity and stability. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 402-409.	7.5	107
4	Synthesis of urease hybrid nanoflowers and their enhanced catalytic properties. <i>Enzyme and Microbial Technology</i> , 2016, 86, 134-142.	3.2	106
5	A hierarchical assembly of flower-like hybrid Turkish black radish peroxidase-Cu <sup>2+</sup> nanobiocatalyst and its effective use in dye decolorization. <i>Chemosphere</i> , 2017, 182, 122-128.	8.2	97
6	Self assembled snowball-like hybrid nanostructures comprising <i>Viburnum opulus</i> L. extract and metal ions for antimicrobial and catalytic applications. <i>Enzyme and Microbial Technology</i> , 2017, 102, 60-66.	3.2	89
7	Bovine serum albumin-Cu(II) hybrid nanoflowers: An effective adsorbent for solid phase extraction and slurry sampling flame atomic absorption spectrometric analysis of cadmium and lead in water, hair, food and cigarette samples. <i>Analytica Chimica Acta</i> , 2016, 906, 110-117.	5.4	75
8	Norfloxacin-loaded Chitosan Sponges as Wound Dressing Material. <i>Journal of Biomaterials Applications</i> , 2004, 18, 291-303.	2.4	71
9	Speciation analysis of inorganic Sb(III) and Sb(V) ions by using mini column filled with Amberlite XAD-8 resin. <i>Analytica Chimica Acta</i> , 2004, 505, 37-41.	5.4	59
10	ICG-Conjugated magnetic graphene oxide for dual photothermal and photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 30285-30292.	3.6	55
11	Hybrid metal-organic nanoflowers and their application in biotechnology and medicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110354.	5.0	50
12	Egg white hybrid nanoflower (EW-hNF) with biomimetic polyphenol oxidase reactivity: Synthesis, characterization and potential use in decolorization of synthetic dyes. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 205-211.	7.5	48
13	Synthesis and characterization of a triple enzyme-inorganic hybrid nanoflower (TrpE@ihNF) as a combination of three pancreatic digestive enzymes amylase, protease and lipase. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 679-686.	2.2	39
14	Proteinase K hybrid nanoflowers (P-hNFs) as a novel nanobiocatalytic detergent additive. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 803-810.	7.5	35
15	Purification of Peroxidase from Red Cabbage ( <i>Brassica oleracea</i> var. <i>capitata</i> f. <i>rubra</i> ) by Affinity Chromatography. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1815-1828.	2.9	31
16	Evaluation of organic-inorganic hybrid nanoflower's enzymatic activity in the presence of different metal ions and organic solvents. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 162-171.	7.5	30
17	Human serum albumin (HSA) adsorption with chitosan microspheres. <i>Journal of Applied Polymer Science</i> , 2002, 86, 3035-3039.	2.6	28
18	Organik-inorganik hibrit nano ÅsiÅseklerin Åşemen ( <i>Trigonella foenum-graecum</i> L.) tohum ekstresi kullanılarak sentezi ve anti-mikrobiyal Åzelliklerinin araÅıtılması. <i>Derim</i> , 2019, 36, 159-167.	0.4	25

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19	Catalase/Fe <sub>3</sub> O <sub>4</sub> @Cu <sup>2+</sup> hybrid biocatalytic nanoflowers fabrication and efficiency in the reduction of organic pollutants. <i>Polyhedron</i> , 2021, 194, 114888.	2.2	24
20	Purification and Biochemical Characterization of Peroxidase Isolated from White Cabbage (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	21
21	Chitosan-Coated Alginate Membranes for Cultivation of Limbal Epithelial Cells to use in the Restoration of Damaged Corneal Surfaces. <i>International Journal of Artificial Organs</i> , 2006, 29, 228-238.	1.4	20
22	Hybrid nanoflowers bearing tetraphenylporphyrin assembled on copper(II) or cobalt(II) inorganic material: A green efficient catalyst for hydrogenation of nitrobenzenes in water. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5381.	3.5	20
23	Development of l-asparaginase@hybrid Nanoflowers (ASNase@HNFs) Reactor System with Enhanced Enzymatic Reusability and Stability. <i>Catalysis Letters</i> , 2021, 151, 1191-1201.	2.6	17
24	A new approach for green synthesis and characterization of Artemisia L. (Asteraceae) genotype extracts-Cu <sup>2+</sup> nanocomplexes (nanoflower) and their effective antimicrobial activity. <i>Medicine Science</i> , 2020, 9, 191.	0.1	15
25	Preparation and Characterization of Thermosensitive Submicron Particles for Gene Delivery. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2804-2810.	0.9	13
26	A new application of inorganic sorbent for biomolecules: IMAC practice of Fe <sup>3+</sup> -nano flowers for DNA separation. <i>Materials Science and Engineering C</i> , 2020, 113, 111020.	7.3	13
27	Boronic acid functionalized polymeric microspheres for catecholamine isolation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 445, 40-47.	4.7	11
28	Quercetin adsorption with imprinted polymeric materials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 947-960.	3.5	8
29	Effects of organic-inorganic hybrid nanoflowersâ€™ framework on hemocytes and enzymatic responses of the model organism, <i>Galleria mellonella</i> (Lepidoptera: Pyralidae). <i>International Journal of Tropical Insect Science</i> , 2022, 42, 333-344.	1.0	8
30	Evaluating the activity and stability of sonochemically produced hemoglobin-copper hybrid nanoflowers against some metallic ions, organic solvents, and inhibitors. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 327-336.	2.2	8
31	Mitomycin-C-loaded Alginate Carriers for Bladder Cancer Chemotherapy: In Vivo Studies. <i>Journal of Bioactive and Compatible Polymers</i> , 2005, 20, 197-208.	2.1	6
32	Hemoglobinâ€-inorganic Hybrid Nanoflowers with Different Metal Ions as Potential Oxygen Carrying Systems. <i>Chemistry and Biodiversity</i> , 2022, 19, .	2.1	6
33	First protein affinity application of Cu <sup>2+</sup> -bound pure inorganic nanoflowers. <i>Polymer Bulletin</i> , 2022, 79, 3233-3251.	3.3	4
34	Kudret Narâ€ (Momordica charantia Descourt.) Meyvesinden Safraâ€™tâ€™râ€™lan Peroksidaz Enzimi Kullanâ€™larak Hibrit Nano â€™iâ€™sekler Sentezlenmesi ve Direct blue 1 Gideriminde Kullanâ€™labilirlikleri. <i>Bitlis Eren â€cniversitesi Fen Bilimleri Dergisi</i> , 2020, 9, 573-583.	0.5	4
35	Amino acid-metal phosphate hybrid nanoflowers (AaHNFs): their preparation, characterization and anti-oxidant capacities. <i>Polymer Bulletin</i> , 2022, 79, 9697-9716.	3.3	4
36	A RATIONAL SYNTHESIS OF MAGNETIC NANOPARTICLES INCORPORATED HORSERADISH PEROXIDASE NANOFLOWER AND ITS USE FOR THE REMOVAL OF PHENOL THROUGH OXIDATIVE COUPLING REACTION WITH GREAT REUSABILITY. <i>Muâ€™la Journal of Science and Technology</i> , 2021, 7, 59-66.	0.1	4

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37	Synthesis of <i>Persea americana</i> extract based hybrid nanoflowers as a new strategy to enhance hyaluronidase and gelatinase inhibitory activity and the evaluation of their toxicity potential. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-13.	1.6	4
38	Fabrication of myoglobin hybrid nanoflowers for decolorization process of evans blue and congo red. <i>Materials Letters</i> , 2022, 325, 132853.	2.6	4
39	Tenebrio molitor larvasında gerçekleştirilen yeni bir toksik araştırma: Floresan bakır fosfat nano yapılar. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 0, , .	0.5	3
40	EFFECT OF DYSTROPHIN GENE IMMOBILIZED NANOSTRUCTURED THERAPEUTIC TEMPLATES ON AGING SKELETAL MUSCLES. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2006, , 511-514.	0.1	2
41	Poly(n-isopropylacrylamide) (PNIPAM) Based Nanoparticles for In Vitro Plasmid DNA Delivery. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008, , 325-330.	0.3	1
42	Synthesis of Copper Ion Incorporated Aminoguanidine Derivatives-Based Hybrid Nanoflowers. <i>Proceedings (mdpi)</i> , 2017, 1, 1008.	0.2	1
43	Differences between Cu- and Fe-Cu nanoflowers in their interactions with fluorescent probes ANS and Fura-2 and proteins albumin and thrombin. <i>Polymer Bulletin</i> , 2022, 79, 5247-5259.	3.3	1
44	Catalytic performance improvement with metal ion changes for efficient, stable, and reusable superoxide dismutase-metal phosphates hybrid nanoflowers. <i>Chemical Papers</i> , 2022, 76, 4245-4260.	2.2	1
45	Synthesis of Copper Ion Incorporated Xanthine Oxidase-Based Hybrid Nanoflowers. <i>Proceedings (mdpi)</i> , 2019, 40, 46.	0.2	0
46	Copper(II) Hybrid Nanoflower-Supported Carbon Nanotubes on Copper Foil for Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 0, , .	2.2	0