

Urartu Ozgur Safak Seker

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,872
citations

430442

18
h-index

264894

42
g-index

58
all docs

58
docs citations

58
times ranked

2417
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and patterning of tunable multiscale materials with engineered cells. <i>Nature Materials</i> , 2014, 13, 515-523.	13.3	329
2	Effect of Molecular Conformations on the Adsorption Behavior of Gold-Binding Peptides. <i>Langmuir</i> , 2008, 24, 12440-12445.	1.6	190
3	Evolutionary engineering of multiple-stress resistant. <i>FEMS Yeast Research</i> , 2005, 5, 569-578.	1.1	176
4	Material Binding Peptides for Nanotechnology. <i>Molecules</i> , 2011, 16, 1426-1451.	1.7	165
5	A novel knowledge-based approach to design inorganic-binding peptides. <i>Bioinformatics</i> , 2007, 23, 2816-2822.	1.8	129
6	Adsorption Behavior of Linear and Cyclic Genetically Engineered Platinum Binding Peptides. <i>Langmuir</i> , 2007, 23, 7895-7900.	1.6	126
7	Quantitative Affinity of Genetically Engineered Repeating Polypeptides to Inorganic Surfaces. <i>Biomacromolecules</i> , 2009, 10, 250-257.	2.6	73
8	Cellular Biosensors with Engineered Genetic Circuits. <i>ACS Sensors</i> , 2018, 3, 13-26.	4.0	73
9	Synthetic Biogenesis of Bacterial Amyloid Nanomaterials with Tunable Inorganic-Organic Interfaces and Electrical Conductivity. <i>ACS Synthetic Biology</i> , 2017, 6, 266-275.	1.9	71
10	In vitro labeling of hydroxyapatite minerals by an engineered protein. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1021-1030.	1.7	41
11	Peptide-Mediated Constructs of Quantum Dot Nanocomposites for Enzymatic Control of Nonradiative Energy Transfer. <i>Nano Letters</i> , 2011, 11, 1530-1539.	4.5	38
12	Genetically encoded conductive protein nanofibers secreted by engineered cells. <i>RSC Advances</i> , 2017, 7, 32543-32551.	1.7	36
13	A sustainable preparation of catalytically active and antibacterial cellulose metal nanocomposites via ball milling of cellulose. <i>Green Chemistry</i> , 2020, 22, 455-464.	4.6	35
14	Spatially Selective Assembly of Quantum Dot Light Emitters in an LED Using Engineered Peptides. <i>ACS Nano</i> , 2011, 5, 2735-2741.	7.3	26
15	Self-assembly of bacterial amyloid protein nanomaterials on solid surfaces. <i>Journal of Colloid and Interface Science</i> , 2018, 520, 145-154.	5.0	24
16	Thermodynamics of Engineered Gold Binding Peptides: Establishing the Structure-Activity Relationships. <i>Biomacromolecules</i> , 2014, 15, 2369-2377.	2.6	22
17	Genetically-Tunable Mechanical Properties of Bacterial Functional Amyloid Nanofibers. <i>Langmuir</i> , 2017, 33, 4337-4345.	1.6	22
18	Genetic Logic Gates Enable Patterning of Amyloid Nanofibers. <i>Advanced Materials</i> , 2019, 31, e1902888.	11.1	22

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19	Ultrasonication for Environmentally Friendly Preparation of Antimicrobial and Catalytically Active Nanocomposites of Cellulosic Textiles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18879-18888.	3.2	21
20	A Highly Potent SARS-CoV-2 Blocking Lectin Protein. <i>ACS Infectious Diseases</i> , 2022, 8, 1253-1264.	1.8	20
21	A Highly Potent TACC3 Inhibitor as a Novel Anticancer Drug Candidate. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1243-1254.	1.9	19
22	Characterization of local SARS-CoV-2 isolates and pathogenicity in IFNAR ^{-/-} mice. <i>Heliyon</i> , 2020, 6, e05116.	1.4	17
23	Genetic circuits combined with machine learning provides fast responding living sensors. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113028.	5.3	16
24	Autonomous Synthesis of Fluorescent Silica Biodots Using Engineered Fusion Proteins. <i>ACS Omega</i> , 2018, 3, 585-594.	1.6	15
25	Biocatalytic protein membranes fabricated by electrospinning. <i>Reactive and Functional Polymers</i> , 2016, 103, 26-32.	2.0	13
26	Synthetic Genetic Circuits for Self-Actuated Cellular Nanomaterial Fabrication Devices. <i>ACS Synthetic Biology</i> , 2019, 8, 2152-2162.	1.9	13
27	Biomaterialization of Calcium Phosphate Crystals Controlled by Protein-Protein Interactions. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4750-4763.	2.6	13
28	SARS-CoV-2 Detection with De Novo-Designed Synthetic Riboregulators. <i>Analytical Chemistry</i> , 2021, 93, 9719-9727.	3.2	13
29	Engineered Peptides for Nanohybrid Assemblies. <i>Langmuir</i> , 2014, 30, 2137-2143.	1.6	12
30	Genetic Circuits To Detect Nanomaterial Triggered Toxicity through Engineered Heat Shock Response Mechanism. <i>ACS Synthetic Biology</i> , 2019, 8, 2404-2417.	1.9	12
31	A Self-Actuated Cellular Protein Delivery Machine. <i>ACS Synthetic Biology</i> , 2019, 8, 686-696.	1.9	11
32	A Recombinase-Based Genetic Circuit for Heavy Metal Monitoring. <i>Biosensors</i> , 2022, 12, 122.	2.3	11
33	Assembly Kinetics of Nanocrystals via Peptide Hybridization. <i>Langmuir</i> , 2011, 27, 4867-4872.	1.6	10
34	Determination of Î ² -glucan content of cereals with an amperometric glucose electrode. <i>European Food Research and Technology</i> , 2002, 215, 538-541.	1.6	9
35	Bio-nanohybrids of quantum dots and photoproteins facilitating strong nonradiative energy transfer. <i>Nanoscale</i> , 2013, 5, 7034.	2.8	8
36	Cellular Biocatalysts Using Synthetic Genetic Circuits for Prolonged and Durable Enzymatic Activity. <i>ChemBioChem</i> , 2019, 20, 1799-1809.	1.3	8

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37	Engineering of biofilms with a glycosylation circuit for biomaterial applications. <i>Biomaterials Science</i> , 2021, 9, 3650-3661.	2.6	8
38	A Multiscale Communications System Based on Engineered Bacteria. <i>IEEE Communications Magazine</i> , 2021, 59, 62-67.	4.9	6
39	Engineered Bacteria with Genetic Circuits Accumulating Nanomagnets as MRI Contrast Agents. <i>Small</i> , 2022, 18, e2200537.	5.2	6
40	Statistical Modeling of β -galactosidase Inhibition During Lactose Hydrolysis. <i>Food Biotechnology</i> , 2006, 20, 79-91.	0.6	5
41	Interaction of microbial functional amyloids with solid surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111547.	2.5	5
42	A Repeater Antenna System Utilizing Genetically Modified Bacteria for Multiscale Communications. , 2022, , .		2
43	Combating Infectious Diseases with Synthetic Biology. <i>ACS Synthetic Biology</i> , 2022, , .	1.9	1
44	Multi-material specific, targeted self-assembly of nanocrystal emitters using genetically engineered peptides on optoelectronic microchips. , 2008, , .		0
45	Quantum dot emitters integrated with smart peptides. , 2009, , .		0
46	Biomedical and Biochemical Tools of Förster Resonance Energy Transfer Enabled by Colloidal Quantum Dot Nanocrystals for Life Sciences. , 2013, , 531-560.		0
47	Bioengineering: Genetic Logic Gates Enable Patterning of Amyloid Nanofibers (<i>Adv. Mater.</i> 39/2019). <i>Advanced Materials</i> , 2019, 31, 1970281.	11.1	0
48	Design of synthetic biological devices for detection and targeting human diseases. , 2022, , 251-269.		0
49	Design and applications of self-assembled soft living materials using synthetic biology. , 2022, , 361-372.		0
50	Neutralizing antibody response and associated factors in Coronavirus-19 disease (COVID-19) up to one month. <i>Biyokimya Dergisi</i> , 2022, .	0.1	0