

Emre Dikici

List of Publications by Year in descending order

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42
papers

1,012
citations

623699

14
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434170

31
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43
all docs

43
docs citations

43
times ranked

1629
citing authors

#	ARTICLE	IF	CITATIONS
1	Reagentless electrochemical biosensors through incorporation of unnatural amino acids on the protein structure. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113861.	10.1	4
2	Delivery of therapeutic agents and cells to pancreatic islets: Towards a new era in the treatment of diabetes. <i>Molecular Aspects of Medicine</i> , 2022, 83, 101063.	6.4	8
3	Monitoring Pathogenic Viable <i>E. coli</i> O157:H7 in Food Matrices Based on the Detection of RNA Using Isothermal Amplification and a Paper-Based Platform. <i>Analytical Chemistry</i> , 2022, 94, 2485-2492.	6.5	21
4	Opioid Antagonist Nanodrugs Successfully Attenuate the Severity of Ischemic Stroke. <i>Molecular Pharmaceutics</i> , 2022, 19, 2254-2267.	4.6	3
5	Isothermal Amplification and Lateral Flow Nucleic Acid Test for the Detection of Shiga Toxin-Producing Bacteria for Food Monitoring. <i>Chemosensors</i> , 2022, 10, 210.	3.6	5
6	Design of a mediator-free, non-enzymatic electrochemical biosensor for glutamate detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 31, 102305.	3.3	21
7	Dexamethasone (DXM)-Coated Poly(lactic-co-glycolic acid) (PLGA) Microneedles as an Improved Drug Delivery System for Intracochlear Biodegradable Devices. <i>Advanced Therapeutics</i> , 2021, 4, 2100155.	3.2	6
8	On-site detection of food and waterborne bacteria – Current technologies, challenges, and future directions. <i>Trends in Food Science and Technology</i> , 2021, 115, 409-421.	15.1	17
9	A new class of sensing elements for sensors: Clamp peptides for Zika virus. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113471.	10.1	8
10	Microbial whole-cell biosensors: Current applications, challenges, and future perspectives. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113359.	10.1	60
11	Peptide-Modified Biopolymers for Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2021, 4, 229-251.	4.6	13
12	Peptide-Functionalized Dendrimer Nanocarriers for Targeted Microdystrophin Gene Delivery. <i>Pharmaceutics</i> , 2021, 13, 2159.	4.5	7
13	Evaluation of silicone-based wristbands as passive sampling systems using PAHs as an exposure proxy for carcinogen monitoring in firefighters: Evidence from the firefighter cancer initiative. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111100.	6.0	25
14	Vaccination against cocaine using a modifiable dendrimer nanoparticle platform. <i>Vaccine</i> , 2020, 38, 7989-7997.	3.8	5
15	An Intact Cell Bioluminescence-Based Assay for the Simple and Rapid Diagnosis of Urinary Tract Infection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5015.	4.1	11
16	Bioluminescent Protein-Inhibitor Pair in the Design of a Molecular Aptamer Beacon Biosensing System. <i>Analytical Chemistry</i> , 2020, 92, 7393-7398.	6.5	8
17	Facile Synthesis and Characterization of a Novel Tamavidin-Luciferase Reporter Fusion Protein for Universal Signaling Applications. <i>Advanced Biology</i> , 2020, 4, 1900166.	3.0	1
18	Opioid antagonists as potential therapeutics for ischemic stroke. <i>Progress in Neurobiology</i> , 2019, 182, 101679.	5.7	30

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19	Molecular Aptamer Beacons and Their Applications in Sensing, Imaging, and Diagnostics. <i>Small</i> , 2019, 15, e1902248.	10.0	63
20	Molecular Aptamer Beacons: Molecular Aptamer Beacons and Their Applications in Sensing, Imaging, and Diagnostics (<i>Small</i> 35/2019). <i>Small</i> , 2019, 15, 1970187.	10.0	1
21	Computationally Designed Peptides for Zika Virus Detection: An Incremental Construction Approach. <i>Biomolecules</i> , 2019, 9, 498.	4.0	9
22	Multiplexing cytokine analysis: towards reducing sample volume needs in clinical diagnostics. <i>Analyst</i> , 2019, 144, 3250-3259.	3.5	5
23	Highly Sensitive and Selective Direct Detection of Zika Virus Particles in Human Bodily Fluids for Accurate Early Diagnosis of Infection. <i>ACS Omega</i> , 2019, 4, 6808-6818.	3.5	10
24	Enhanced Delivery of Plasmid DNA to Skeletal Muscle Cells using a DLC8-Binding Peptide and ASLNIA-Modified PAMAM Dendrimer. <i>Molecular Pharmaceutics</i> , 2019, 16, 2376-2384.	4.6	15
25	Objective measurement of work-environment carcinogenic exposures in florida firefighters using silicone-based passive sampling wristbands. <i>Occupational and Environmental Medicine</i> , 2019, 76, A9.2-A9.	2.8	0
26	Passive monitoring of chemical exposures in south florida firefighters using silicone wristbands. , 2018, , .		0
27	Evaluating temperature changes and volatile organic compound off-gassing in turnout protective gear ensembles among florida firefighters. , 2018, , .		0
28	Towards a Point-of-Care Test for Bacterial Vaginosis: Design and Development of a Rapid Test for Vaginolysin. <i>FASEB Journal</i> , 2018, 32, 800.6.	0.5	0
29	Expression of a soluble truncated Vargula luciferase in Escherichia coli. <i>Protein Expression and Purification</i> , 2017, 132, 68-74.	1.3	8
30	Nanotechnology-Driven Therapeutic Interventions in Wound Healing: Potential Uses and Applications. <i>ACS Central Science</i> , 2017, 3, 163-175.	11.3	342
31	Bioorthogonal Protein Conjugation: Application to the Development of a Highly Sensitive Bioluminescent Immunoassay for the Detection of Interferon- β . <i>Bioconjugate Chemistry</i> , 2017, 28, 1749-1757.	3.6	12
32	Beyond Antibodies as Binding Partners: The Role of Antibody Mimetics in Bioanalysis. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 293-320.	5.4	88
33	Directing and Potentiating Stem Cell-Mediated Angiogenesis and Tissue Repair by Cell Surface E-Selectin Coating. <i>PLoS ONE</i> , 2016, 11, e0154053.	2.5	31
34	Red-Shifted Aequorin Variants Incorporating Non-Canonical Amino Acids: Applications in In Vivo Imaging. <i>PLoS ONE</i> , 2016, 11, e0158579.	2.5	27
35	Truncated Variants of Gaussia Luciferase with Tyrosine Linker for Site-Specific Bioconjugate Applications. <i>Scientific Reports</i> , 2016, 6, 26814.	3.3	19
36	Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. <i>Analytical Biochemistry</i> , 2016, 498, 1-7.	2.4	5

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37	Enabling Aequorin for Biotechnology Applications Through Genetic Engineering. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2015, , 149-179.	1.1	2
38	Selectivity properties of corrin-doped polypyrrole film. <i>Monatshefte für Chemie</i> , 2013, 144, 781-791.	1.8	4
39	A Targeted and Adjuvanted Nanocarrier Lowers the Effective Dose of Liposomal Amphotericin B and Enhances Adaptive Immunity in Murine Cutaneous Leishmaniasis. <i>Journal of Infectious Diseases</i> , 2013, 208, 1914-1922.	4.0	56
40	Bioluminescence Inhibition Assay for the Detection of Hydroxylated Polychlorinated Biphenyls. <i>Analytical Chemistry</i> , 2012, 84, 7648-7655.	6.5	9
41	Bioluminescence and Its Impact on Bioanalysis. <i>Annual Review of Analytical Chemistry</i> , 2011, 4, 297-319.	5.4	47
42	A whole-cell assay for the high throughput screening of calmodulin antagonists. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 2073-2079.	3.7	6