Dongtak Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1780584/publications.pdf

Version: 2024-02-01

22	436	687335 13	713444 21
papers	citations	h-index	g-index

23	23	23	456
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiplexed femtomolar detection of Alzheimer's disease biomarkers in biofluids using a reduced graphene oxide field-effect transistor. Biosensors and Bioelectronics, 2020, 167, 112505.	10.1	54
2	A highly permselective electrochemical glucose sensor using red blood cell membrane. Biosensors and Bioelectronics, 2018, 102, 617-623.	10.1	48
3	Sequential dual-drug delivery of BMP-2 and alendronate from hydroxyapatite-collagen scaffolds for enhanced bone regeneration. Scientific Reports, 2021, 11, 746.	3.3	48
4	Highly Conductive and Flexible Dopamineâ€“Graphene Hybrid Electronic Textile Yarn for Sensitive and Selective NO₂ Detection. ACS Applied Materials & Interfaces, 2020, 12, 46629-46638.	8.0	26
5	Coagulation-Inspired Direct Fibrinogen Assay Using Plasmonic Nanoparticles Functionalized with Red Blood Cell Membranes. ACS Nano, 2021, 15, 6386-6394.	14.6	26
6	Bio-Inspired Electronic Textile Yarn-Based NO₂ Sensor Using Amyloidâ€“Graphene Composite. ACS Sensors, 2021, 6, 777-785.	7.8	24
7	A simple and disposable carbon adhesive tape-based NO2 gas sensor. Sensors and Actuators B: Chemical, 2018, 266, 485-492.	7.8	22
8	Permselective glucose sensing with GLUT1-rich cancer cell membranes. Biosensors and Bioelectronics, 2019, 135, 82-87.	10.1	22
9	Graphene-based electronic textile sheet for highly sensitive detection of NO2 and NH3. Sensors and Actuators B: Chemical, 2021, 345, 130361.	7.8	21
10	Anti-AÎ² drug candidates in clinical trials and plasmonic nanoparticle-based drug-screen for Alzheimer's disease. Analyst, The, 2018, 143, 2204-2212.	3.5	19
11	A bio-inspired highly selective enzymatic glucose sensor using a red blood cell membrane. Analyst, The, 2020, 145, 2125-2132.	3.5	18
12	Plasmonic nanoparticle amyloid corona for screening AÎ² oligomeric aggregate-degrading drugs. Nature Communications, 2021, 12, 639.	12.8	17
13	Erythrocyte-camouflaged biosensor for Î±-hemolysin detection. Biosensors and Bioelectronics, 2021, 185, 113267.	10.1	15
14	Extremely sensitive and wide-range silver ion detection via assessing the integrated surface potential of a DNA-capped gold nanoparticle. Nanotechnology, 2019, 30, 085501.	2.6	12
15	Nanoindentation for Monitoring the Time-Variant Mechanical Strength of Drug-Loaded Collagen Hydrogel Regulated by Hydroxyapatite Nanoparticles. ACS Omega, 2021, 6, 9269-9278.	3.5	12
16	Effects of mechanical properties of gelatin methacryloyl hydrogels on encapsulated stem cell spheroids for 3D tissue engineering. International Journal of Biological Macromolecules, 2022, 194, 903-913.	7.5	11
17	Surface potential microscopy of surfactant-controlled single gold nanoparticle. Nanotechnology, 2020, 31, 215706.	2.6	10
18	Microwave-induced formation of oligomeric amyloid aggregates. Nanotechnology, 2018, 29, 345604.	2.6	9

#	Article	IF	Citations
19	Scalable Functionalization of Polyaniline-Grafted rGO Field-Effect Transistors for a Highly Sensitive Enzymatic Acetylcholine Biosensor. Biosensors, 2022, 12, 279.	4.7	8
20	Surface Functionalization of Enzyme-Coronated Gold Nanoparticles with an Erythrocyte Membrane for Highly Selective Glucose Assays. Analytical Chemistry, 2022, 94, 6473-6481.	6.5	6
21	State-of-the-art nanotechnologies used in the development of SARS-CoV-2 biosensors: a review. Measurement Science and Technology, 2022, 33, 062002.	2.6	4
22	Bioinspired lotus fiber-based graphene electronic textile for gas sensing. Cellulose, 2022, 29, 4071-4082.	4.9	4