Bey Fen Leo

List of Publications by Year
in descending order

54	1,886	257450 24	254184 43
papers	citations	h-index	g-index

54	54	54	2856
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Properties of Kenaf Cellulose Nanofiber (CNF) as Potential Larvicide Nanocarrier and Its Acute Ecotoxicity against Daphnia Magna and Dania rerio. Journal of Natural Fibers, 2022, 19, 6756-6769.	3.1	4
2	Photodegradation assessment of RB5 dye by utilizing WO3/TiO2 nanocomposite: a cytotoxicity study. Environmental Science and Pollution Research, 2022, 29, 22372-22390.	5.3	3
3	Chitosan-Coated-PLGA Nanoparticles Enhance the Antitumor and Antimigration Activity of Stattic â€“ A STAT3 Dimerization Blocker. International Journal of Nanomedicine, 2022, Volume 17, 137-150.	6.7	18
4	Renal Nano-drug delivery for acute kidney Injury: Current status and future perspectives. Journal of Controlled Release, 2022, 343, 237-254.	9.9	32
5	An overview of cellulose nanofiber physicochemical characterizations and biological studies in relation to nanosafety concerns. , 2022, , 245-261.		1
6	Assessing the suitability of self-healing rubber glove for safe handling of pesticides. Scientific Reports, 2022, 12, 4275.	3.3	5
7	Preparation and Characterization of Stattic-Loaded Albumin Nanoparticles for Antimetastatic Cancer Treatment. Drug Delivery Letters, 2022, 12, .	0.5	0
8	Nano-engineered ZnO/CNF-based epoxidized natural rubber with enhanced strength for novel Self-healing glove fabrication. Chemical Engineering Journal, 2022, 437, 135440.	12.7	23
9	Co-Doped, Tri-Doped, and Rare-Earth-Doped g-C3N4 for Photocatalytic Applications: State-of-the-Art. Catalysts, 2022, 12, 586.	3.5	9
10	Modeling aerosol transmission of SARS-CoV-2 from human-exhaled particles in a hospital ward. Environmental Science and Pollution Research, 2021, 28, 53478-53492.	5.3	14
11	Facile Synthesis and Characterization of Palm CNF-ZnO Nanocomposites with Antibacterial and Reinforcing Properties. International Journal of Molecular Sciences, 2021, 22, 5781.	4.1	15
12	Development of flexible electrochemical impedance spectroscopy-based biosensing platform for rapid screening of SARS-CoV-2 inhibitors. Biosensors and Bioelectronics, 2021, 183, 113213.	10.1	44
13	Development of the Sensing Platform for Protein Tyrosine Kinase Activity. Biosensors, 2021, 11, 240.	4.7	0
14	Mechanistic actions and contributing factors affecting the antibacterial property and cytotoxicity of graphene oxide. Chemosphere, 2021, 281, 130739.	8.2	36
15	Facile synthesis of biocompatible sub-5Ânm alginate-stabilised gold nanoparticles with sonosensitising properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127141.	4.7	5
16	Morphological, thermal, and mechanical properties of natural rubber reinforced with cellulose nanofibers from oil palm empty fruit bunch. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2021, 24, 631-640.	1.1	4
17	Rapid and sensitive detection of Salmonella with reduced graphene oxide-carbon nanotube based electrochemical aptasensor. Analytical Biochemistry, 2020, 589, 113489.	2.4	75
18	Synergistic antibacterial actions of graphene oxide and antibiotics towards bacteria and the toxicological effects of graphene oxide on human epidermal keratinocytes. European Journal of Pharmaceutical Sciences, 2020, 142, 105087.	4.0	31

#	Article	IF	Citations
19	Improved delivery and antimetastatic effects of Stattic by self-assembled amphiphilic pendant-dendron copolymer micelles in breast cancer cell lines. Journal of Drug Delivery Science and Technology, 2020, 59, 101905.	3.0	4
20	MXene-graphene hybrid nanoflakes as friction modifiers for outboard engine oil. IOP Conference Series: Materials Science and Engineering, 2020, 834, 012039.	0.6	8
21	Asymmetric Cellulosic Membranes: Current and Future Aspects. Symmetry, 2020, 12, 1160.	2.2	9
22	Comprehensive review on nanocellulose: Recent developments, challenges and future prospects. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103884.	3.1	148
23	Label-Free Time-of-Flight Secondary Ion Mass Spectrometry Imaging of Sulfur-Producing Enzymes inside Microglia Cells following Exposure to Silver Nanowires. Analytical Chemistry, 2019, 91, 11098-11107.	6.5	9
24	An investigation on surface modified TiO2 incorporated with graphene oxide for dye-sensitized solar cell. Solar Energy, 2019, 191, 663-671.	6.1	16
25	Graphene oxide exhibits differential mechanistic action towards Gram-positive and Gram-negative bacteria. Colloids and Surfaces B: Biointerfaces, 2019, 181, 6-15.	5.0	99
26	Efficacy and potential of phage therapy against multidrug resistantShigellaspp.. PeerJ, 2019, 7, e6225.	2.0	21
27	Synthesis, characterization and cytotoxicity studies of nanocrystalline cellulose from the production waste of rubber-wood and kenaf-bast fibers. European Polymer Journal, 2019, 116, 352-360.	5.4	41
28	A reduced graphene oxide-titanium dioxide nanocomposite based electrochemical aptasensor for rapid and sensitive detection of Salmonella enterica. Bioelectrochemistry, 2019, 127, 136-144.	4.6	78
29	Supported cobalt nanoparticles on graphene oxide/mesoporous silica for oxidation of phenol and electrochemical detection of H2O2 and Salmonella spp. Materials Chemistry and Physics, 2019, 232, 493-505.	4.0	25
30	Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. Critical Reviews in Analytical Chemistry, 2019, 49, 510-533.	3.5	74
31	Polymers as Water Disinfectants. Springer Series on Polymer and Composite Materials, 2019, , 149-165.	0.7	0
32	One-step Solvothermal Synthesis of rGO/TiO2 Nanocomposite for Efficient Solar Photocatalytic Degradation of Methylene Blue Dye. Current Nanoscience, 2019, 15, 157-162.	1.2	16
33	Development of nanoparticle-assisted PCR assay in the rapid detection of brain-eating amoebae. Parasitology Research, 2018, 117, 1801-1811.	1.6	20
34	All-carbon suspended nanowire sensors as a rapid highly-sensitive label-free chemiresistive biosensing platform. Biosensors and Bioelectronics, 2018, 107, 145-152.	10.1	82
35	Applications and impacts of nanomaterials in food safety and quality. , 2018, , 131-161.		1
36	Synthesis of Bimetallic Gold-Silver (Au-Ag) Nanoparticles for the Catalytic Reduction of 4-Nitrophenol to 4-Aminophenol. Catalysts, 2018, 8, 412.	3.5	62

#	Article	IF	Citations
37	Carbon nanotube-based aptasensor for sensitive electrochemical detection of whole-cell Salmonella. Analytical Biochemistry, 2018, 554, 34-43.	2.4	82
38	The Toxic Truth About Carbon Nanotubes in Water Purification: a Perspective View. Nanoscale Research Letters, 2018, 13, 183.	5.7	84
39	Exposure to Silver Nanospheres Leads to Altered Respiratory Mechanics and Delayed Immune Response in an in Vivo Murine Model. Frontiers in Pharmacology, 2018, 9, 213.	3.5	14
40	Inactivation, Clearance, and Functional Effects of Lung-Instilled Short and Long Silver Nanowires in Rats. ACS Nano, 2017, 11, 2652-2664.	14.6	30
41	Silver nanoparticles reduce brain inflammation and related neurotoxicity through induction of H2S-synthesizing enzymes. Scientific Reports, 2017, 7, 42871.	3.3	110
42	Graphene-based label-free electrochemical aptasensor for rapid and sensitive detection of foodborne pathogen. Analytical and Bioanalytical Chemistry, 2017, 409, 6893-6905.	3.7	63
43	Development of an aptasensor using reduced graphene oxide chitosan complex to detect Salmonella. Journal of Electroanalytical Chemistry, 2017, 806, 88-96.	3.8	63
44	Low-dose AgNPs reduce lung mechanical function and innate immune defense in the absence of cellular toxicity. Nanotoxicology, 2016, 10, 1-10.	3.0	23
45	Pulmonary surfactant mitigates silver nanoparticle toxicity in human alveolar type-I-like epithelial cells. Colloids and Surfaces B: Biointerfaces, 2016, 145, 167-175.	5.0	30
46	A Comparison of Explicitlyâ€terminated Diamond Electrodes Decorated with Gold Nanoparticles. Electroanalysis, 2016, 28, 88-95.	2.9	6
47	Modulation of Human Macrophage Responses to Mycobacterium tuberculosis by Silver Nanoparticles of Different Size and Surface Modification. PLoS ONE, 2015, 10, e0143077.	2.5	43
48	Towards understanding the antibacterial activity of Ag nanoparticles: electron microscopy in the analysis of the materials-biology interface in the lung. Environmental Science: Nano, 2015, 2, 312-326.	4.3	47
49	Synthesis and Optical Enhancement of Amorphous Carbon Nanotubes/Silver Nanohybrids via Chemical Route at Low Temperature. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	2
50	Modeling physicochemical interactions affecting in vitro cellular dosimetry of engineered nanomaterials: application to nanosilver. Journal of Nanoparticle Research, 2014, 16, 2616.	1.9	21
51	The Stability of Silver Nanoparticles in a Model of Pulmonary Surfactant. Environmental Science & Technology, 2013, 47, 11232-11240.	10.0	99
52	Physico-chemical studies of amorphous carbon nanotubes synthesized at low temperature. Materials Research Bulletin, 2012, 47, 1849-1854.	5.2	25
53	Physico-chemical properties of titania nanotubes synthesized via hydrothermal and annealing treatment. Applied Surface Science, 2011, 258, 431-435.	6.1	54
54	Combined effect of CuO nanofillers and DBP plasticizer on ionic conductivity enhancement in the solid polymer electrolyte PEOâ€“LiCF3SO3. Ionics, 2010, 16, 335-338.	2.4	58