

Magdiel Ingrid Setyawati

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

5,032
citations

34
h-index

66
g-index

66
ext. papers

5,720
ext. citations

11
avg, IF

6.19
L-index

#	Paper	IF	Citations
64	Printer center nanoparticles alter the DNA repair capacity of human bronchial airway epithelial cells.. <i>NanoImpact</i> , 2022 , 25, 100379	5.6	3
63	Anisotropic hair keratin-dopamine composite scaffolds exhibit strain-stiffening properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2022 , 110, 92-104	5.4	1
62	Association of nanoparticle exposure with serum metabolic disorders of healthy adults in printing centers.. <i>Journal of Hazardous Materials</i> , 2022 , 432, 128710	12.8	2
61	Chronic upper airway and systemic inflammation from copier emitted particles in healthy operators at six Singaporean workplaces.. <i>NanoImpact</i> , 2021 , 22, 100325	5.6	3
60	Characterization of Anisotropic Human Hair Keratin Scaffolds Fabricated via Directed Ice Templating. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000314	5.5	5
59	Overcoming bacterial physical defenses with molecule-like ultrasmall antimicrobial gold nanoclusters. <i>Bioactive Materials</i> , 2021 , 6, 941-950	16.7	28
58	Observing antimicrobial process with traceable gold nanoclusters. <i>Nano Research</i> , 2021 , 14, 1026-1033	10	17
57	Self-Assembly of Solubilized Human Hair Keratins. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 83-89	5.5	3
56	Composite Hydrogels in Three-Dimensional Models. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 611	5.8	28
55	Transformation of Nanomaterials and Its Implications in Gut Nanotoxicology. <i>Small</i> , 2020 , 16, e2001246	11	9
54	Occupational Inhalation Exposures to Nanoparticles at Six Singapore Printing Centers. <i>Environmental Science & Technology</i> , 2020 , 54, 2389-2400	10.3	16
53	Inflammation Increases Susceptibility of Human Small Airway Epithelial Cells to Pneumonic Nanotoxicity. <i>Small</i> , 2020 , 16, e2000963	11	10
52	Pilot deep RNA sequencing of worker blood samples from Singapore printing industry for occupational risk assessment. <i>NanoImpact</i> , 2020 , 19, 100248-100248	5.6	5
51	A high-throughput method to characterize the gut bacteria growth upon engineered nanomaterial treatment. <i>Environmental Science: Nano</i> , 2020 , 7, 3155-3166	7.1	1
50	Nanoparticles promote in vivo breast cancer cell intravasation and extravasation by inducing endothelial leakiness. <i>Nature Nanotechnology</i> , 2019 , 14, 279-286	28.7	253
49	Angiopoietin-1 accelerates restoration of endothelial cell barrier integrity from nanoparticle-induced leakiness. <i>Nanotoxicology</i> , 2019 , 13, 682-700	5.3	25
48	Surface Ligand Chemistry of Gold Nanoclusters Determines Their Antimicrobial Ability. <i>Chemistry of Materials</i> , 2018 , 30, 2800-2808	9.6	77

47	Naked-eye recognition: Emerging gold nano-family for visual sensing. <i>Applied Materials Today</i> , 2018 , 11, 166-188	6.6	28
46	Antimicrobial silver nanomaterials. <i>Coordination Chemistry Reviews</i> , 2018 , 357, 1-17	23.2	347
45	Inhaled nanomaterials and the respiratory microbiome: clinical, immunological and toxicological perspectives. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 46	8.4	49
44	Biomolecular interaction and kinematics differences between P25 and E171 TiO ₂ nanoparticles. <i>NanoImpact</i> , 2018 , 12, 51-57	5.6	8
43	Inorganic Nanomaterials as Highly Efficient Inhibitors of Cellular Hepatic Fibrosis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31938-31946	9.5	34
42	Nano-TiO Drives Epithelial-Mesenchymal Transition in Intestinal Epithelial Cancer Cells. <i>Small</i> , 2018 , 14, e1800922	11	42
41	Mesoporous Silica Nanoparticles as an Antitumoral-Angiogenesis Strategy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6690-6703	9.5	48
40	Gold Nanoparticles Induced Endothelial Leakiness Depends on Particle Size and Endothelial Cell Origin. <i>ACS Nano</i> , 2017 , 11, 5020-5030	16.7	157
39	Directing Assembly and Disassembly of 2D MoS Nanosheets with DNA for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15286-15296	9.5	199
38	Antimicrobial Gold Nanoclusters. <i>ACS Nano</i> , 2017 , 11, 6904-6910	16.7	352
37	Emerging 0D Transition-Metal Dichalcogenides for Sensors, Biomedicine, and Clean Energy. <i>Small</i> , 2017 , 13, 1700527	11	64
36	Nanoparticle Density: A Critical Biophysical Regulator of Endothelial Permeability. <i>ACS Nano</i> , 2017 , 11, 2764-2772	16.7	105
35	Particulate matter from indoor environments of classroom induced higher cytotoxicity and leakiness in human microvascular endothelial cells in comparison with those collected from corridor. <i>Indoor Air</i> , 2017 , 27, 551-563	5.4	5
34	Protecting microRNAs from RNase degradation with steric DNA nanostructures. <i>Chemical Science</i> , 2017 , 8, 1062-1067	9.4	53
33	DNA Nanostructures Carrying Stoichiometrically Definable Antibodies. <i>Small</i> , 2016 , 12, 5601-5611	11	72
32	Tuning Endothelial Permeability with Functionalized Nanodiamonds. <i>ACS Nano</i> , 2016 , 10, 1170-81	16.7	101
31	Decoupling the Direct and Indirect Biological Effects of ZnO Nanoparticles Using a Communicative Dual Cell-Type Tissue Construct. <i>Small</i> , 2016 , 12, 647-57	11	25
30	Antimicrobial Cluster Bombs: Silver Nanoclusters Packed with Daptomycin. <i>ACS Nano</i> , 2016 , 10, 7934-42	16.7	252

29	Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood. <i>Chemical Society Reviews</i> , 2015 , 44, 8174-99	58.5	230
28	In vivo and ex vivo proofs of concept that cetuximab conjugated vitamin E TPGS micelles increases efficacy of delivered docetaxel against triple negative breast cancer. <i>Biomaterials</i> , 2015 , 63, 58-69	15.6	78
27	Electrochemical Quantification of Escherichia coli with DNA Nanostructure. <i>Advanced Functional Materials</i> , 2015 , 25, 3840-3846	15.6	64
26	Mechanistic Investigation of the Biological Effects of SiO ₂ /TiO ₂ and ZnO Nanoparticles on Intestinal Cells. <i>Small</i> , 2015 , 11, 3458-68	11	101
25	Biomimicry 3D gastrointestinal spheroid platform for the assessment of toxicity and inflammatory effects of zinc oxide nanoparticles. <i>Small</i> , 2015 , 11, 702-12	11	87
24	Toxicity profiling of water contextual zinc oxide, silver, and titanium dioxide nanoparticles in human oral and gastrointestinal cell systems. <i>Environmental Toxicology</i> , 2015 , 30, 1459-69	4.2	44
23	Biosensors: Electrochemical Quantification of Escherichia coli with DNA Nanostructure (Adv. Funct. Mater. 25/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 3979-3979	15.6	0
22	Nanotoxicity: Mechanistic Investigation of the Biological Effects of SiO ₂ , TiO ₂ , and ZnO Nanoparticles on Intestinal Cells (Small 28/2015). <i>Small</i> , 2015 , 11, 3390-3390	11	4
21	Nanotoxicity: Biomimicry 3D Gastrointestinal Spheroid Platform for the Assessment of Toxicity and Inflammatory Effects of Zinc Oxide Nanoparticles (Small 6/2015). <i>Small</i> , 2015 , 11, 760-760	11	2
20	Phage based green chemistry for gold ion reduction and gold retrieval. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 910-7	9.5	29
19	Back to Basics: Exploiting the Innate Physico-chemical Characteristics of Nanomaterials for Biomedical Applications. <i>Advanced Functional Materials</i> , 2014 , 24, 5936-5955	15.6	180
18	Nanomedicine: Back to Basics: Exploiting the Innate Physico-chemical Characteristics of Nanomaterials for Biomedical Applications (Adv. Funct. Mater. 38/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 5930-5930	15.6	2
17	Nano-hydroxyapatite and nano-titanium dioxide exhibit different subcellular distribution and apoptotic profile in human oral epithelium. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6248-56	9.5	76
16	Membrane lipid composition and stress/virulence related gene expression of Salmonella Enteritidis cells adapted to lactic acid and trisodium phosphate and their resistance to lethal heat and acid stress. <i>International Journal of Food Microbiology</i> , 2014 , 191, 24-31	5.8	34
15	Nanoparticles strengthen intracellular tension and retard cellular migration. <i>Nano Letters</i> , 2014 , 14, 83-88	11.5	168
14	Novel theranostic DNA nanoscaffolds for the simultaneous detection and killing of Escherichia coli and Staphylococcus aureus. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21822-31	9.5	91
13	Presentation matters: Identity of gold nanocluster capping agent governs intracellular uptake and cell metabolism. <i>Nano Research</i> , 2014 , 7, 805-815	10	75
12	The influence of lysosomal stability of silver nanomaterials on their toxicity to human cells. <i>Biomaterials</i> , 2014 , 35, 6707-15	15.6	138

11	Ultrasmall Ag ⁺ -rich nanoclusters as highly efficient nanoreservoirs for bacterial killing. <i>Nano Research</i> , 2014 , 7, 301-307	10	121
10	Highly luminescent silver nanoclusters with tunable emissions: cyclic reduction-decomposition synthesis and antimicrobial properties. <i>NPG Asia Materials</i> , 2013 , 5, e39-e39	10.3	207
9	Effect of zinc oxide nanomaterials-induced oxidative stress on the p53 pathway. <i>Biomaterials</i> , 2013 , 34, 10133-42	15.6	123
8	Titanium dioxide nanomaterials cause endothelial cell leakiness by disrupting the homophilic interaction of VE-cadherin. <i>Nature Communications</i> , 2013 , 4, 1673	17.4	326
7	Cytotoxic and genotoxic characterization of titanium dioxide, gadolinium oxide, and poly(lactic-co-glycolic acid) nanoparticles in human fibroblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 633-40	5.4	52
6	Nanotoxicology of common metal oxide based nanomaterials: their ROS-y and non-ROS-y consequences. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013 , 8, 205-217	1.3	33
5	Reciprocal Response of Human Oral Epithelial Cells to Internalized Silica Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 784-793	3.1	29
4	Tuning the activity of platinum(IV) anticancer complexes through asymmetric acylation. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 7571-82	8.3	76
3	The role of the tumor suppressor p53 pathway in the cellular DNA damage response to zinc oxide nanoparticles. <i>Biomaterials</i> , 2011 , 32, 8218-25	15.6	161
2	Self-immobilized recombinant <i>Acetobacter xylinum</i> for biotransformation. <i>Biochemical Engineering Journal</i> , 2009 , 43, 78-84	4.2	20
1	Expressing <i>Vitreoscilla</i> hemoglobin in statically cultured <i>Acetobacter xylinum</i> with reduced O ₂ tension maximizes bacterial cellulose pellicle production. <i>Journal of Biotechnology</i> , 2007 , 132, 38-43	3.7	21