Hwei-San Loh

List of Publications by Year
in descending order

64	1,594	304368	344852
papers	citations	22 h-index	36 g-index

66	66	66	2724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pentacyclic and hexacyclic cucurbitacins from Elaeocarpus petiolatus. Phytochemistry, 2022, 193, 112988.	1.4	5
2	Highly sensitive and specific graphene/TiO2 impedimetric immunosensor based on plant-derived tetravalent envelope glycoprotein domain III (EDIII) probe antigen for dengue diagnosis. Biosensors and Bioelectronics, 2021, 176, 112895.	5.3	28
3	A graphene-based dengue immunosensor using plant-derived envelope glycoprotein domain III (EDIII) as the novel probe antigen. Analyst, The, 2021, 146, 2009-2018.	1.7	11
4	Biocompatible graphene-zirconia nanocomposite as a cyto-safe immunosensor for the rapid detection of carcinoembryonic antigen. Scientific Reports, 2021, 11, 22536.	1.6	12
5	Fish biowaste gelatin coated phosphate-glass fibres for wound-healing application. European Polymer Journal, 2020, 122, 109386.	2.6	26
6	Engineering of Thermovibrio ammonificans carbonic anhydrase mutants with increased thermostability. Journal of CO2 Utilization, 2020, 37, 1-8.	3.3	15
7	The Potential of Antiviral Peptides as COVID-19 Therapeutics. Frontiers in Pharmacology, 2020, 11, 575444.	1.6	57
8	Preliminary In Vitro Evaluation of Chitosanâ€“Graphene Oxide Scaffolds on Osteoblastic Adhesion, Proliferation, and Early Differentiation. International Journal of Molecular Sciences, 2020, 21, 5202.	1.8	15
9	Improved physical properties and in vitro biocompatibility of chitosan composite scaffolds incorporated with a green filler on bone cells. Clean Technologies and Environmental Policy, 2020, 22, 701-712.	2.1	1
10	Virucidal activity of Garcinia parvifolia leaf extracts in animal cell culture. BMC Complementary and Alternative Medicine, 2019, 19, 169.	3.7	9
11	The TRAIL to cancer therapy: Hindrances and potential solutions. Critical Reviews in Oncology/Hematology, 2019, 143, 81-94.	2.0	87
12	Tocotrienols Modulate a Life or Death Decision in Cancers. International Journal of Molecular Sciences, 2019, 20, 372.	1.8	19
13	Cisâ€9, Transâ€11 Conjugated Linoleic Acid Reduces Phosphoenolpyruvate Carboxykinase Expression and Hepatic Glucose Production in HepG2 Cells. Lipids, 2019, 54, 369-379.	0.7	5
14	Fabrication and preliminary in vitro evaluation of ultraviolet-crosslinked electrospun fish scale gelatin nanofibrous scaffolds. Journal of Materials Science: Materials in Medicine, 2019, 30, 62.	1.7	16
15	The Influence of Mg2+ Ions on the In Vitro Efficacy of Chitosan-Titanium Dioxide Nanotubes (CTNTs) Scaffolds. Advances in Polymer Technology, 2019, 2019, 1-10.	0.8	5
16	Epitope Presentation of Dengue Viral Envelope Glycoprotein Domain III on Hepatitis B Core Protein Virus-Like Particles Produced in Nicotiana benthamiana. Frontiers in Plant Science, 2019, 10, 455.	1.7	18
17	Fabrication and in vitro biocompatibility of sodium tripolyphosphate-crosslinked chitosanâ€“hydroxyapatite scaffolds for bone regeneration. Journal of Materials Science, 2019, 54, 3403-3420.	1.7	16
18	Potentiation of in vitro apoptotic effects of Î´-Tocotrienol and Jerantinine A on human lung adenocarcinoma cells. Journal of HerbMed Pharmacology, 2019, 8, 333-338.	0.4	2

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19	One-step green hydrothermal synthesis of biocompatible graphene/TiO₂ nanocomposites for non-enzymatic H₂O₂ detection and their cytotoxicity effects on human keratinocyte and lung fibroblast cells. Journal of Materials Chemistry B, 2018, 6, 1195-1206.	2.9	14
20	Jerantinine B Enhances the Mitochondria-Mediated Apoptosis by p53 Activation in Human Glioblastoma Cells via a Combination with Î´-Tocotrienol. Journal of Biologically Active Products From Nature, 2018, 8, 21-27.	0.1	2
21	Synergistic Apoptotic Effects of Tocotrienol Isomers and Acalypha wilkesiana on A549 and U87MG Cancer Cells. Tropical Life Sciences Research, 2018, 29, 229-238.	0.5	6
22	Statistical Design of Experimental and Bootstrap Neural Network Modelling Approach for Thermoseparating Aqueous Two-Phase Extraction of Polyhydroxyalkanoates. Polymers, 2018, 10, 132.	2.0	7
23	Towards development of a universal dengue vaccine â€“ How close are we?. Asian Pacific Journal of Tropical Medicine, 2017, 10, 220-228.	0.4	29
24	In vitro evaluation of osteoblast adhesion, proliferation and differentiation on chitosan-TiO2 nanotubes scaffolds with Ca2+ ions. Materials Science and Engineering C, 2017, 76, 144-152.	3.8	45
25	Sensitivity enhancement of graphene/zinc oxide nanocomposite-based electrochemical impedance genosensor for single stranded RNA detection. Biosensors and Bioelectronics, 2017, 94, 365-373.	5.3	53
26	Enhancement of apoptotic activities on brain cancer cells via the combination of Î³-tocotrienol and jerantinine A. Phytomedicine, 2017, 30, 74-84.	2.3	22
27	Purification and immunogenicity of hemagglutinin from highly pathogenic avian influenza virus H5N1 expressed in Nicotiana benthamiana. Human Vaccines and Immunotherapeutics, 2017, 13, 306-313.	1.4	9
28	Extraction and purification of Polyhydroxyalkanoates (PHAs): application of Thermoseparating aqueous two-phase extraction. Journal of Polymer Research, 2017, 24, 1.	1.2	22
29	Economic and environmental analysis of PHAs production process. Clean Technologies and Environmental Policy, 2017, 19, 1941-1953.	2.1	68
30	Using transgenic plants and modified plant viruses for the development of treatments for human diseases. Current Opinion in Virology, 2017, 26, 81-89.	2.6	42
31	Cloud-point extraction of green-polymers from Cupriavidus necator lysate usingÂthermoseparating-based aqueous two-phase extraction. Journal of Bioscience and Bioengineering, 2017, 123, 370-375.	1.1	19
32	Conjugation of insulin onto the sidewalls of single-walled carbon nanotubes through functionalization and diimide-activated amidation. International Journal of Nanomedicine, 2016, 11, 1607.	3.3	19
33	Thermoseparating aqueous twoâ€phase systems: Recent trends and mechanisms. Journal of Separation Science, 2016, 39, 640-647.	1.3	25
34	One Step Green Preparation of Graphene/ZnO Nanocomposite for Electrochemical Sensing. Journal of Nanoscience and Nanotechnology, 2016, 16, 7420-7426.	0.9	12
35	A review on ethnobotany, pharmacology and phytochemistry of Tabernaemontana corymbosa. Journal of Pharmacy and Pharmacology, 2016, 68, 423-432.	1.2	17
36	Preliminary integrated economic and environmental analysis of polyhydroxyalkanoates (PHAs) biosynthesis. Bioresources and Bioprocessing, 2016, 3, .	2.0	29

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37	Exceedingly Higher co-loading of Curcumin and Paclitaxel onto Polymer-functionalized Reduced Graphene Oxide for Highly Potent Synergistic Anticancer Treatment. Scientific Reports, 2016, 6, 32808.	1.6	84
38	Antiviral and virucidal activities of Duabanga grandiflora leaf extract against Pseudorabies virus in vitro. BMC Complementary and Alternative Medicine, 2016, 16, 139.	3.7	7
39	Current perspectives on dengue episode in Malaysia. Asian Pacific Journal of Tropical Medicine, 2016, 9, 395-401.	0.4	29
40	Synergistic cytotoxic effects of combined Î´-tocotrienol and jerantinine B on human brain and colon cancers. Journal of Ethnopharmacology, 2016, 184, 107-118.	2.0	21
41	A Proof of Concept: Detection of Avian Influenza <I>H</I>5 Gene by a Graphene-Enhanced Electrochemical Genosensor. Journal of Nanoscience and Nanotechnology, 2016, 16, 2438-2446.	0.9	13
42	Fistulopsines A and B antiproliferative septicine-type alkaloids from Ficus fistulosa. Phytochemistry Letters, 2016, 15, 136-141.	0.6	16
43	Facile hydrothermal growth graphene/ZnO nanocomposite for development of enhanced biosensor. Analytica Chimica Acta, 2016, 903, 131-141.	2.6	76
44	Complete Genome Sequence of Rat Cytomegalovirus Strain ALL-03 (Malaysian Strain). Genome Announcements, 2015, 3, .	0.8	5
45	Inhibitory Effect of Duabanga grandiflora on MRSA Biofilm Formation via Prevention of Cell-Surface Attachment and PBP2a Production. Molecules, 2015, 20, 4473-4482.	1.7	12
46	Exceedingly biocompatible and thin-layered reduced graphene oxide nanosheets using an eco-friendly mushroom extract strategy. International Journal of Nanomedicine, 2015, 10, 1505.	3.3	122
47	Prevention of cell-surface attachment and reduction of penicillin-binding protein 2a (PBP2a) level in methicillin-resistant Staphylococcus aureus biofilms by Acalypha wilkesiana. BMC Complementary and Alternative Medicine, 2015, 15, 79.	3.7	13
48	Alkaloid extracts ofFicusspecies and palm oil-derived tocotrienols synergistically inhibit proliferation of human cancer cells. Natural Product Research, 2015, 29, 2137-2140.	1.0	14
49	Inhibition of penicillin-binding protein 2a (PBP2a) in methicillin resistant Staphylococcus aureus (MRSA) by combination of ampicillin and a bioactive fraction from Duabanga grandiflora. BMC Complementary and Alternative Medicine, 2015, 15, 178.	3.7	53
50	Hispidacine, an unusual 8,4â€²-oxyneolignan-alkaloid with vasorelaxant activity, and hispiloscine, an antiproliferative phenanthroindolizidine alkaloid, from Ficus hispida Linn.. Phytochemistry, 2015, 109, 96-102.	1.4	29
51	One-step green synthesis of graphene/ZnO nanocomposites for non-enzymatic hydrogen peroxide sensing. Materiali in Tehnologije, 2015, 49, 837-840.	0.3	4
52	Cytotoxicity and apoptotic activities of alpha-, gamma- and delta-tocotrienol isomers on human cancer cells. BMC Complementary and Alternative Medicine, 2014, 14, 469.	3.7	41
53	Reversal of Ampicillin Resistance in MRSA via Inhibition of Penicillin-Binding Protein 2a byAcalypha wilkesiana. BioMed Research International, 2014, 2014, 1-7.	0.9	16
54	Antiproliferation and induction of caspase-8-dependent mitochondria-mediated apoptosis by Î²-tocotrienol in human lung and brain cancer cell lines. Biomedicine and Pharmacotherapy, 2014, 68, 1105-1115.	2.5	29

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55	Establishment of rat brain endothelial cells susceptible to rat cytomegalovirus ALL-03 infection. In Vitro Cellular and Developmental Biology - Animal, 2013, 49, 238-244.	0.7	11
56	Protein Profiling and Histone Deacetylation Activities in Somaclonal Variants of Oil Palm (<i>Elaeis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	16
57	Optimal methods for evaluating antimicrobial activities from plant extracts. Journal of Microbiological Methods, 2011, 84, 161-166.	0.7	86
58	Acalypha wilkesiana extracts induce apoptosis by causing single strand and double strand DNA breaks. Journal of Ethnopharmacology, 2011, 138, 616-623.	2.0	28
59	Search for antibacterial agents from Malaysian rainforest and tropical plants. Natural Product Research, 2011, 25, 1857-1864.	1.0	12
60	Antibacterial and Antioxidant Activities of Synedrella nodiflora (L.) Gaertn. (Asteraceae). Journal of Complementary and Integrative Medicine, 2011, 8, .	0.4	13
61	Development of a quantitative real-time RT-PCR for kinetic analysis of immediate-early transcripts of Rat cytomegalovirus. Acta Virologica, 2009, 53, 261-269.	0.3	4
62	Pathogenesis and antibody response to a cytomegalovirus infection in newborn rats. Acta Virologica, 2007, 51, 27-33.	0.3	1
63	Pathogenesis and vertical transmission of a transplacental rat cytomegalovirus. Virology Journal, 2006, 3, 42.	1.4	27
64	Characterization of a novel rat cytomegalovirus (RCMV) infecting placenta-uterus of Rattus rattus diardii. Archives of Virology, 2003, 148, 2353-2367.	0.9	21