Siah Ying Tang

List of Publications by Year
in descending order

41 papers	1,583 citations	394421 19 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	1726 citing authors

#	Article	IF	Citations
1	Spray drying preparation of polymethyl methacrylate-grafted natural rubber composite powders and its impact reinforcement effect. Drying Technology, 2022, 40, 2770-2782.	3.1	1
2	Assessing the suitability of self-healing rubber glove for safe handling of pesticides. Scientific Reports, 2022, 12, 4275.	3.3	5
3	Cosmeceutical Therapy: Engaging the Repercussions of UVR Photoaging on the Skinâ€™s Circadian Rhythm. International Journal of Molecular Sciences, 2022, 23, 2884.	4.1	7
4	Assessing the impact of augmented reality application on studentsâ€™ learning motivation in chemical engineering. Education for Chemical Engineers, 2022, 39, 31-43.	4.8	11
5	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
6	Ultrasound-enhanced biosynthesis of uniform ZnO nanorice using Swietenia macrophylla seed extract and its in vitro anticancer activity. Nanotechnology Reviews, 2021, 10, 572-585.	5.8	8
7	Controlled Release Fertilizers: A Review on Coating Materials and Mechanism of Release. Plants, 2021, 10, 238.	3.5	181
8	Recent Developments in Nanocellulose-Reinforced Rubber Matrix Composites: A Review. Polymers, 2021, 13, 550.	4.5	41
9	Molecular Dynamics Simulation of Nanocellulose-Stabilized Pickering Emulsions. Polymers, 2021, 13, 668.	4.5	4
10	Counteracting the Ramifications of UVB Irradiation and Photoaging with Swietenia macrophylla King Seed. Molecules, 2021, 26, 2000.	3.8	7
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	Synthesis of bio-inspired cellulose nanocrystals-soy protein isolate nanoconjugate for stabilization of oil-in-water Pickering emulsions. Carbohydrate Research, 2021, 504, 108336.	2.3	22
13	The Potential of Sky Fruit as an Anti-Aging and Wound Healing Cosmeceutical Agent. Cosmetics, 2021, 8, 79.	3.3	6
14	Physical stability and rheological behavior of Pickering emulsions stabilized by proteinâ€“polysaccharide hybrid nanoconjugates. Nanotechnology Reviews, 2021, 10, 1293-1305.	5.8	15
15	A Sustainable In situ Treatment Method to Improve the Quality of Crude Palm Oil by Repurposing Treated Aerobic Liquor. Food and Bioprocess Technology, 2021, 14, 679-691.	4.7	6
16	In vitro Digestion and Swelling Kinetics of Thymoquinone-Loaded Pickering Emulsions Incorporated in Alginate-Chitosan Hydrogel Beads. Frontiers in Nutrition, 2021, 8, 752207.	3.7	9
17	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
18	Exploring the Chemical Profiles and Biological Values of Two Spondias Species (S. dulcis and S.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	5.1	5

#	Article	IF	Citations
19	Mitigation of Environmental Stress-Impacts in Plants: Role of Sole and Combinatory Exogenous Application of Glutathione. Frontiers in Plant Science, 2021, 12, 791205.	3.6	15
20	Preparation and Properties of Spherical Natural Rubber/Silica Composite Powders via Spray Drying. KONA Powder and Particle Journal, 2020, 37, 214-223.	1.7	2
21	Unravelling the Swelling Behaviour and Antibacterial Activity of Palm Cellulose Nanofiber-based Metallic Nanocomposites. IOP Conference Series: Materials Science and Engineering, 2020, 778, 012027.	0.6	8
22	Detrimental Effects of UVB on Retinal Pigment Epithelial Cells and Its Role in Age-Related Macular Degeneration. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-29.	4.0	23
23	Angelicinâ€"A Furocoumarin Compound With Vast Biological Potential. Frontiers in Pharmacology, 2020, 11, 366.	3.5	22
24	Principles and Potential Applications of Cavitation Technology for Nano-Foods. Food Engineering Series, 2020, , 125-152.	0.7	1
25	Production of highly uniform Pickering emulsions by novel high-intensity ultrasonic tubular reactor (HUTR). Ultrasonics Sonochemistry, 2019, 54, 121-128.	8.2	20
26	Magnetic cellulose nanocrystal stabilized Pickering emulsions for enhanced bioactive release and human colon cancer therapy. International Journal of Biological Macromolecules, 2019, 127, 76-84.	7.5	106
27	Prediction of droplet sizes for oil-in-water emulsion systems assisted by ultrasound cavitation: Transient scaling law based on dynamic breakup potential. Ultrasonics Sonochemistry, 2019, 55, 348-358.	8.2	12
28	Unravelling pH-responsive behaviour of Fe 3 O 4 @CNCs-stabilized Pickering emulsions under the influence of magnetic field. Polymer, 2018, 141, 93-101.	3.8	31
29	Sizeâ€selective purification of hepatitis B virusâ€like particle in flowâ€through chromatography: Types of ion exchange adsorbent and grafted polymer architecture. Journal of Separation Science, 2018, 41, 2119-2129.	2.5	2
30	A facile and rapid sonochemical synthesis of monodispersed Fe₃O₄@cellulose nanocrystal nanocomposites without inert gas protection. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2209.	1.5	16
31	Palm olein-in-water Pickering emulsion stabilized by Fe3O4-cellulose nanocrystal nanocomposites and their responses to pH. Carbohydrate Polymers, 2017, 155, 391-399.	10.2	96
32	Dispersion stability, magnetivity and wettability of cellulose nanocrystal (CNC)-dispersed superparamagnetic Fe₃O₄ nanoparticles: impact of CNC concentration. RSC Advances, 2016, 6, 113132-113138.	3.6	33
33	Curcumin-loaded sterically stabilized nanodispersion based on non-ionic colloidal system induced by ultrasound and solvent diffusion-evaporation. Pure and Applied Chemistry, 2016, 88, 43-60.	1.9	20
34	Cavitation technology â€" A greener processing technique for the generation of pharmaceutical nanoemulsions. Ultrasonics Sonochemistry, 2014, 21, 2069-2083.	8.2	218
35	A novel and facile liquid whistle hydrodynamic cavitation reactor to produce submicron multiple emulsions. AICHE Journal, 2013, 59, 155-167.	3.6	44
36	Impact of process parameters in the generation of novel aspirin nanoemulsions â€" Comparative studies between ultrasound cavitation and microfluidizer. Ultrasonics Sonochemistry, 2013, 20, 485-497.	8.2	194

#	Article	IF	Citations
37	Impact of osmotic pressure and gelling in the generation of highly stable single core water-in-oil-in-water (W/O/W) nano multiple emulsions of aspirin assisted by two-stage ultrasonic cavitational emulsification. Colloids and Surfaces B: Biointerfaces, 2013, 102, 653-658.	5.0	55
38	Design and evaluation of aspirinâ€loaded waterâ€inâ€oilâ€inâ€water submicron multiple emulsions generated using twoâ€stage ultrasonic cavitational emulsification technique. Asia-Pacific Journal of Chemical Engineering, 2012, 7, S145.	1.5	32
39	Anti-inflammatory and analgesic activity of novel oral aspirin-loaded nanoemulsion and nano multiple emulsion formulations generated using ultrasound cavitation. International Journal of Pharmaceutics, 2012, 430, 299-306.	5.2	86
40	Formulation development and optimization of a novel Cremophore EL-based nanoemulsion using ultrasound cavitation. Ultrasonics Sonochemistry, 2012, 19, 330-345.	8.2	170
41	Unravelling Synergistic Effects of Palm Bunch Ash and Glutathione on Plant Growth. , 0, , .		0