

Siah Ying Tang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,583
citations

394421

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302126

39
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42
all docs

42
docs citations

42
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavitation technology – A greener processing technique for the generation of pharmaceutical nanoemulsions. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 2069-2083.	8.2	218
2	Impact of process parameters in the generation of novel aspirin nanoemulsions – Comparative studies between ultrasound cavitation and microfluidizer. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 485-497.	8.2	194
3	Controlled Release Fertilizers: A Review on Coating Materials and Mechanism of Release. <i>Plants</i> , 2021, 10, 238.	3.5	181
4	Formulation development and optimization of a novel Cremophore EL-based nanoemulsion using ultrasound cavitation. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 330-345.	8.2	170
5	Magnetic cellulose nanocrystal stabilized Pickering emulsions for enhanced bioactive release and human colon cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 76-84.	7.5	106
6	Palm olein-in-water Pickering emulsion stabilized by Fe ₃ O ₄ -cellulose nanocrystal nanocomposites and their responses to pH. <i>Carbohydrate Polymers</i> , 2017, 155, 391-399.	10.2	96
7	Anti-inflammatory and analgesic activity of novel oral aspirin-loaded nanoemulsion and nano multiple emulsion formulations generated using ultrasound cavitation. <i>International Journal of Pharmaceutics</i> , 2012, 430, 299-306.	5.2	86
8	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 cavitation emulsification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 653-658.	5.0	55
9	A novel and facile liquid whistle hydrodynamic cavitation reactor to produce submicron multiple emulsions. <i>AIChE Journal</i> , 2013, 59, 155-167.	3.6	44
10	Recent Developments in Nanocellulose-Reinforced Rubber Matrix Composites: A Review. <i>Polymers</i> , 2021, 13, 550.	4.5	41
11	Dispersion stability, magnetivity and wettability of cellulose nanocrystal (CNC)-dispersed superparamagnetic Fe ₃ O ₄ nanoparticles: impact of CNC concentration. <i>RSC Advances</i> , 2016, 6, 113132-113138.	3.6	33
12	Design and evaluation of aspirin-loaded water-in-oil-in-water submicron multiple emulsions generated using two-stage ultrasonic cavitation emulsification technique. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, S145.	1.5	32
13	Unravelling pH-responsive behaviour of Fe ₃ O ₄ @CNCs-stabilized Pickering emulsions under the influence of magnetic field. <i>Polymer</i> , 2018, 141, 93-101.	3.8	31
14	Detrimental Effects of UVB on Retinal Pigment Epithelial Cells and Its Role in Age-Related Macular Degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-29.	4.0	23
15	Nano-engineered ZnO/CNF-based epoxidized natural rubber with enhanced strength for novel Self-healing glove fabrication. <i>Chemical Engineering Journal</i> , 2022, 437, 135440.	12.7	23
16	Angelicin – A Furocoumarin Compound With Vast Biological Potential. <i>Frontiers in Pharmacology</i> , 2020, 11, 366.	3.5	22
17	Synthesis of bio-inspired cellulose nanocrystals-soy protein isolate nanoconjugate for stabilization of oil-in-water Pickering emulsions. <i>Carbohydrate Research</i> , 2021, 504, 108336.	2.3	22
18	Curcumin-loaded sterically stabilized nanodispersion based on non-ionic colloidal system induced by ultrasound and solvent diffusion-evaporation. <i>Pure and Applied Chemistry</i> , 2016, 88, 43-60.	1.9	20

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19	Production of highly uniform Pickering emulsions by novel high-intensity ultrasonic tubular reactor (HUTR). <i>Ultrasonics Sonochemistry</i> , 2019, 54, 121-128.	8.2	20
20	A facile and rapid sonochemical synthesis of monodispersed Fe ₃ O ₄ @cellulose nanocrystal nanocomposites without inert gas protection. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2209.	1.5	16
21	Facile Synthesis and Characterization of Palm CNF-ZnO Nanocomposites with Antibacterial and Reinforcing Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5781.	4.1	15
22	Physical stability and rheological behavior of Pickering emulsions stabilized by protein-polysaccharide hybrid nanoconjugates. <i>Nanotechnology Reviews</i> , 2021, 10, 1293-1305.	5.8	15
23	Mitigation of Environmental Stress-Impacts in Plants: Role of Sole and Combinatory Exogenous Application of Glutathione. <i>Frontiers in Plant Science</i> , 2021, 12, 791205.	3.6	15
24	Prediction of droplet sizes for oil-in-water emulsion systems assisted by ultrasound cavitation: Transient scaling law based on dynamic breakup potential. <i>Ultrasonics Sonochemistry</i> , 2019, 55, 348-358.	8.2	12
25	Assessing the impact of augmented reality application on students' learning motivation in chemical engineering. <i>Education for Chemical Engineers</i> , 2022, 39, 31-43.	4.8	11
26	In vitro Digestion and Swelling Kinetics of Thymoquinone-Loaded Pickering Emulsions Incorporated in Alginate-Chitosan Hydrogel Beads. <i>Frontiers in Nutrition</i> , 2021, 8, 752207.	3.7	9
27	Unravelling the Swelling Behaviour and Antibacterial Activity of Palm Cellulose Nanofiber-based Metallic Nanocomposites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 778, 012027.	0.6	8
28	Ultrasound-enhanced biosynthesis of uniform ZnO nanorice using <i>Swietenia macrophylla</i> seed extract and its in vitro anticancer activity. <i>Nanotechnology Reviews</i> , 2021, 10, 572-585.	5.8	8
29	Counteracting the Ramifications of UVB Irradiation and Photoaging with <i>Swietenia macrophylla</i> King Seed. <i>Molecules</i> , 2021, 26, 2000.	3.8	7
30	Cosmeceutical Therapy: Engaging the Repercussions of UVR Photoaging on the Skin's Circadian Rhythm. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2884.	4.1	7
31	The Potential of Sky Fruit as an Anti-Aging and Wound Healing Cosmeceutical Agent. <i>Cosmetics</i> , 2021, 8, 79.	3.3	6
32	A Sustainable In situ Treatment Method to Improve the Quality of Crude Palm Oil by Repurposing Treated Aerobic Liquor. <i>Food and Bioprocess Technology</i> , 2021, 14, 679-691.	4.7	6
33	Exploring the Chemical Profiles and Biological Values of Two Spondias Species (<i>S. dulcis</i> and <i>S. Tj ETQq1</i>). <i>Journal of Food Science and Technology</i> , 2021, 54, 1051-1059.	0.784314	5
34	Assessing the suitability of self-healing rubber glove for safe handling of pesticides. <i>Scientific Reports</i> , 2022, 12, 4275.	3.3	5
35	Molecular Dynamics Simulation of Nanocellulose-Stabilized Pickering Emulsions. <i>Polymers</i> , 2021, 13, 668.	4.5	4
36	Morphological, thermal, and mechanical properties of natural rubber reinforced with cellulose nanofibers from oil palm empty fruit bunch. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2021, 24, 631-640.	1.1	4

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37	Size-selective purification of hepatitis B virus-like particle in flow-through chromatography: Types of ion exchange adsorbent and grafted polymer architecture. <i>Journal of Separation Science</i> , 2018, 41, 2119-2129.	2.5	2
38	Preparation and Properties of Spherical Natural Rubber/Silica Composite Powders via Spray Drying. <i>KONA Powder and Particle Journal</i> , 2020, 37, 214-223.	1.7	2
39	Spray drying preparation of polymethyl methacrylate-grafted natural rubber composite powders and its impact reinforcement effect. <i>Drying Technology</i> , 2022, 40, 2770-2782.	3.1	1
40	Principles and Potential Applications of Cavitation Technology for Nano-Foods. <i>Food Engineering Series</i> , 2020, , 125-152.	0.7	1
41	Unravelling Synergistic Effects of Palm Bunch Ash and Glutathione on Plant Growth. , 0, , .		0