

Boon Mian Teo

List of Publications by Year in descending order

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53
papers

1,620
citations

236612

25
h-index

301761

39
g-index

56
all docs

56
docs citations

56
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Cholesterol – a biological compound as a building block in bionanotechnology. <i>Nanoscale</i> , 2013, 5, 89-109.	2.8	101
2	Recent advances in ultrasound-based transdermal drug delivery. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7749-7763.	3.3	101
3	Magnetic Anisotropic Particles: Toward Remotely Actuated Applications. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 709-728.	1.2	98
4	Ultrasound initiated miniemulsion polymerization of methacrylate monomers. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 89-94.	3.8	91
5	Ultrasound-Enhanced siRNA Delivery Using Magnetic Nanoparticle-Loaded Chitosan-Deoxycholic Acid Nanodroplets. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601246.	3.9	69
6	Novel One-Pot Synthesis of Magnetite Latex Nanoparticles by Ultrasound Irradiation. <i>Langmuir</i> , 2009, 25, 2593-2595.	1.6	67
7	Sonochemical Synthesis of Magnetic Janus Nanoparticles. <i>Langmuir</i> , 2011, 27, 30-33.	1.6	65
8	Graphene oxide: a surfactant or particle?. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 39, 98-109.	3.4	62
9	Biomedical applications of acoustically responsive phase shift nanodroplets: Current status and future directions. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 37-45.	3.8	52
10	Ultrastable green fluorescence carbon dots with a high quantum yield for bioimaging and use as theranostic carriers. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4577-4584.	2.9	51
11	Sonochemical Synthesis of ZnO Encapsulated Functional Nanolatex and its Anticorrosive Performance. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2200-2205.	1.8	42
12	Synthesis of Temperature Responsive Poly(<i>N</i> -isopropylacrylamide) Using Ultrasound Irradiation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3178-3184.	1.2	41
13	Assembly of Poly(dopamine)/Poly(<i>N</i> -isopropylacrylamide) Mixed Films and Their Temperature-Dependent Interaction with Proteins, Liposomes, and Cells. <i>Langmuir</i> , 2013, 29, 10213-10222.	1.6	39
14	Cell response to PEGylated poly(dopamine) coated liposomes considering shear stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4838-4847.	1.1	38
15	Microbubbles, Nanodroplets and Gas-Stabilizing Solid Particles for Ultrasound-Mediated Extravasation of Unencapsulated Drugs: An Exposure Parameter Optimization Study. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 954-967.	0.7	38
16	Highly-Branched Poly(<i>N</i> -isopropylacrylamide) as a Component in Poly(dopamine) Films. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10504-10512.	1.2	37
17	Microemulsion Polymerizations via High-Frequency Ultrasound Irradiation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5265-5267.	1.2	36
18	Gas-Stabilizing Gold Nanocones for Acoustically Mediated Drug Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800184.	3.9	36

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19	Room temperature synthesis of block copolymer nano-objects with different morphologies <i>via</i> ultrasound initiated RAFT polymerization-induced self-assembly (sono-RAFT-PISA). <i>Polymer Chemistry</i> , 2020, 11, 3564-3572.	1.9	32
20	Antimicrobial and Biosensing Ultrasound-Responsive Lysozyme-Shelled Microbubbles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 464-471.	4.0	31
21	Liposome-containing polymer films and colloidal assemblies towards biomedical applications. <i>Nanoscale</i> , 2014, 6, 6426.	2.8	31
22	Controlling the Size and Polymorphism of Calcium Carbonate Hybrid Particles Using Natural Biopolymers. <i>Crystal Growth and Design</i> , 2020, 20, 645-652.	1.4	29
23	Recent progress of liposomes in nanomedicine. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6686-6691.	2.9	28
24	Ultrasound-Assisted Preparation of Semiconductor/Polymer Photoanodes and Their Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5148-5153.	1.5	27
25	Acoustically responsive polydopamine nanodroplets: A novel theranostic agent. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104782.	3.8	27
26	High Intensity Ultrasound Initiated Polymerization of Butyl Methacrylate in Mini- and Microemulsions. <i>Macromolecules</i> , 2009, 42, 4479-4483.	2.2	25
27	Sonochemical polymerization of miniemulsions in organic liquids/water mixtures. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4095.	1.3	24
28	Cargo delivery to adhering myoblast cells from liposome-containing poly(dopamine) composite coatings. <i>Biomaterials Science</i> , 2013, 1, 1181.	2.6	24
29	Gasâ€Generating, pHâ€Responsive Calcium Carbonate Hybrid Particles with Biomimetic Coating for Contrastâ€Enhanced Ultrasound Imaging. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900471.	1.2	24
30	Theranostic carbon dots derived from garlic with efficient anti-oxidative effects towards macrophages. <i>RSC Advances</i> , 2015, 5, 97836-97840.	1.7	22
31	Bioinspired polynorepinephrine nanoparticles as an efficient vehicle for enhanced drug delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 961-968.	2.9	20
32	Biocatalytic Polymer Coatings: Onâ€Demand Drug Synthesis and Localized Therapeutic Effect under Dynamic Cell Culture Conditions. <i>Small</i> , 2014, 10, 1314-1324.	5.2	18
33	Mixed poly(dopamine)/poly(<sc>l</sc>-lysine) (composite) coatings: from assembly to interaction with endothelial cells. <i>Biomaterials Science</i> , 2015, 3, 1188-1196.	2.6	17
34	Photothermally responsive Pickering emulsions stabilised by polydopamine nanobowls. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8962-8970.	2.9	17
35	Poly(<i>N</i>-isopropylacrylamide)/Poly(dopamine) Capsules. <i>Langmuir</i> , 2014, 30, 5592-5598.	1.6	16
36	Bowl-Shaped Mesoporous Polydopamine Nanoparticles for Size-Dependent Endocytosis into HeLa Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 9536-9546.	2.4	15

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37	Liposomes equipped with poly(N-isopropyl acryl amide)-containing coatings as potential drug carriers. RSC Advances, 2014, 4, 44769-44776.	1.7	14
38	Polynorepinephrine as an Efficient Antifouling-Coating Material and Its Application as a Bacterial Killing Photothermal Agent. ACS Applied Bio Materials, 2020, 3, 5880-5886.	2.3	12
39	Controlled Growth of Sonochemically Synthesized Gold Seed Particles in Aqueous Solutions Containing Surfactants. Australian Journal of Chemistry, 2005, 58, 667.	0.5	11
40	Recent developments in biomolecule-based nanoencapsulation systems for antimicrobial delivery and biofilm disruption. Chemical Communications, 2020, 56, 13907-13917.	2.2	11
41	Efficient Cellular Internalization and Transport of Bowl-Shaped Polydopamine Particles. Particle and Particle Systems Characterization, 2020, 37, 2000166.	1.2	11
42	Spontaneous Adsorption of Graphene Oxide to Oil-Water and Air-Water Interfaces by Adsorption of Hydrotropes. Advanced Materials Interfaces, 2020, 7, 1901810.	1.9	11
43	Norepinephrine derived carbon dots for live-cell imaging and effective hemoglobin determination. Soft Matter, 2021, 17, 6765-6772.	1.2	9
44	Tracking the heat-triggered phase change of polydopamine-shelled, perfluorocarbon emulsion droplets into microbubbles using neutron scattering. Journal of Colloid and Interface Science, 2022, 607, 836-847.	5.0	8
45	Enhanced photoacoustic imaging in tissue-mimicking phantoms using polydopamine-shelled perfluorocarbon emulsion droplets. Ultrasonics Sonochemistry, 2022, 86, 106041.	3.8	8
46	Exploring the transition of polydopamine-shelled perfluorohexane emulsion droplets into microbubbles using small- and ultra-small-angle neutron scattering. Physical Chemistry Chemical Physics, 2021, 23, 9843-9850.	1.3	7
47	Mesoporous Polydopamine Nanobowls Toward Combined Chemo- and Photothermal Cancer Therapy. Particle and Particle Systems Characterization, 2022, 39, .	1.2	7
48	Synthesis and characterisation of polynorepinephrine-shelled microcapsules <i>via</i> an oil-in-water emulsion templating route. Journal of Materials Chemistry B, 2021, 9, 9575-9582.	2.9	6
49	Ultrasound-assisted fabrication of acoustically active, erythrocyte membrane "bubbles". Ultrasonics Sonochemistry, 2021, 72, 105429.	3.8	5
50	Carbon dots as a "green" reagent to produce shape and size controlled gold nanoparticles for application in pollutant degradation. Colloids and Interface Science Communications, 2022, 46, 100571.	2.0	5
51	pH-responsive pitted polymer particles with surface morphologies from cup shaped to multicavities. Colloid and Polymer Science, 2021, 299, 1717-1728.	1.0	2
52	Next-Generation Colloidal Materials for Ultrasound Imaging Applications. Ultrasound in Medicine and Biology, 2022, 48, 1373-1396.	0.7	2
53	Magnetic Anisotropic Particles: Synthesis and Applications. , 2017, , 123-178.		0