

Keng-Shiang Huang

List of Publications by Year in descending order

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papers

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185998

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98
all docs

98
docs citations

98
times ranked

3845
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Antimicrobial Polymers: A Mini-Review. International Journal of Molecular Sciences, 2016, 17, 1578.	1.8	209
2	Efficient Near-IR Hyperthermia and Intense Nonlinear Optical Imaging Contrast on the Gold Nanorod-in-Shell Nanostructures. Journal of the American Chemical Society, 2009, 131, 14186-14187.	6.6	123
3	Antimicrobial Amino-Functionalized Nitrogen-Doped Graphene Quantum Dots for Eliminating Multidrug-Resistant Species in Dual-Modality Photodynamic Therapy and Bioimaging under Two-Photon Excitation. ACS Applied Materials & Interfaces, 2018, 10, 14438-14446.	4.0	123
4	Manipulating the generation of Ca-alginate microspheres using microfluidic channels as a carrier of gold nanoparticles. Lab on A Chip, 2006, 6, 954.	3.1	120
5	Microfluidic controlling monodisperse microdroplet for 5-fluorouracil loaded genipin-gelatin microcapsules. Journal of Controlled Release, 2009, 137, 15-19.	4.8	87
6	Microfluidic assisted synthesis of silver nanoparticle-chitosan composite microparticles for antibacterial applications. International Journal of Pharmaceutics, 2016, 510, 493-500.	2.6	79
7	Microfluidic emulsification and sorting assisted preparation of monodisperse chitosan microparticles. Lab on A Chip, 2009, 9, 145-150.	3.1	73
8	Synthesis and anti-fungal effect of silver nanoparticles–chitosan composite particles. International Journal of Nanomedicine, 2015, 10, 2685.	3.3	72
9	A novel synthesis of substituted naphthalenes via Claisen rearrangement and RCM reaction. Tetrahedron Letters, 2001, 42, 6155-6157.	0.7	71
10	Manufacturing monodisperse chitosan microparticles containing ampicillin using a microchannel chip. Biomedical Microdevices, 2007, 9, 253-259.	1.4	59
11	Drug Delivery Systems and Combination Therapy by Using Vinca Alkaloids. Current Topics in Medicinal Chemistry, 2015, 15, 1491-1500.	1.0	55
12	Microfluidic Synthesis of Microfibers for Magnetic-Responsive Controlled Drug Release and Cell Culture. PLoS ONE, 2012, 7, e33184.	1.1	53
13	Enhancement of the stability of chlorophyll using chlorophyll-encapsulated polycaprolactone microparticles based on droplet microfluidics. Food Chemistry, 2020, 306, 125300.	4.2	52
14	Using a cross-flow microfluidic chip and external crosslinking reaction for monodisperse TPP-chitosan microparticles. Sensors and Actuators B: Chemical, 2007, 124, 510-516.	4.0	50
15	Microfluidic assisted preparation of CdSe/ZnS nanocrystals encapsulated into poly(DL-lactide-co-glycolide) microcapsules. Nanotechnology, 2007, 18, 305305.	1.3	45
16	Calcium alginate microcapsule generation on a microfluidic system fabricated using the optical disk process. Journal of Micromechanics and Microengineering, 2007, 17, 1428-1434.	1.5	41
17	In situ synthesis of twin monodispersed alginate microparticles. Soft Matter, 2011, 7, 6713.	1.2	37
18	Anti-inflammatory effect with high intensity focused ultrasound-mediated pulsatile delivery of diclofenac. Biomaterials, 2012, 33, 1547-1553.	5.7	37

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19	Digital games for learning energy conservation: A study of impacts on motivation, attention, and learning outcomes. <i>Innovations in Education and Teaching International</i> , 2019, 56, 66-76.	1.5	37
20	Trends in the Immunomodulatory Effects of <i>Cordyceps militaris</i> : Total Extracts, Polysaccharides and Cordycepin. <i>Frontiers in Pharmacology</i> , 2020, 11, 575704.	1.6	35
21	Pd(II)-Mediated Cyclization of <i>o</i> -Allylbenzaldehydes in Water: A Novel Synthesis of Isocoumarins. <i>Organic Letters</i> , 2012, 14, 4930-4933.	2.4	32
22	Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginate-chitosan-silica biocomposite. <i>International Journal of Pharmaceutics</i> , 2013, 441, 555-561.	2.6	32
23	Antimicrobial Applications of Water-Dispersible Magnetic Nanoparticles in Biomedicine. <i>Current Medicinal Chemistry</i> , 2014, 21, 3312-3322.	1.2	31
24	A New Synthesis of Substituted 2,5-Dihydrobenzo[b]oxepines. <i>Heterocycles</i> , 2002, 57, 1997.	0.4	30
25	An Aluminum Microfluidic Chip Fabrication Using a Convenient Micromilling Process for Fluorescent Poly(DL-lactide-co-glycolide) Microparticle Generation. <i>Sensors</i> , 2012, 12, 1455-1467.	2.1	30
26	Electrostatic droplets assisted in situ synthesis of superparamagnetic chitosan microparticles for magnetic-responsive controlled drug release and copper ion removal. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2205.	2.9	30
27	Microfluidic one-step synthesis of Fe ₃ O ₄ -chitosan composite particles and their applications. <i>International Journal of Pharmaceutics</i> , 2014, 463, 155-160.	2.6	29
28	An electroporation microchip system for the transfection of zebrafish embryos using quantum dots and GFP genes for evaluation. <i>Biomedical Microdevices</i> , 2007, 9, 761-768.	1.4	28
29	Using a microfluidic chip and internal gelation reaction for monodisperse calcium alginate microparticles generation. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 3061.	3.0	27
30	Synthesis of agar microparticles using temperature-controlled microfluidic devices for <i>Cordyceps militaris</i> cultivation. <i>Electrophoresis</i> , 2011, 32, 3157-3163.	1.3	27
31	Electrostatic droplets assisted synthesis of alginate microcapsules. <i>Drug Delivery and Translational Research</i> , 2011, 1, 289-298.	3.0	26
32	Microfluidic Synthesis of Vinblastine-Loaded Multifunctional Particles for Magnetically Responsive Controlled Drug Release. <i>Pharmaceutics</i> , 2019, 11, 212.	2.0	25
33	Prevention of Microbial Communities: Novel Approaches Based Natural Products. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 94-111.	0.9	25
34	Manipulating self-assembled phospholipid microtubes using microfluidic technology. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 464-471.	4.0	24
35	Enhancement of an electroporation system for gene delivery using electrophoresis with a planar electrode. <i>Lab on A Chip</i> , 2007, 7, 86-92.	3.1	24
36	Optimization of a pulsed carbon dioxide snow jet for cleaning CMOS image sensors by using the Taguchi method. <i>Sensors and Actuators A: Physical</i> , 2007, 139, 265-271.	2.0	23

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37	Facile Synthesis of Radial-Like Macroporous Superparamagnetic Chitosan Spheres with In-Situ Co-Precipitation and Gelation of Ferro-Gels. <i>PLoS ONE</i> , 2012, 7, e49329.	1.1	23
38	Core-shell structure microcapsules with dual pH-responsive drug release function. <i>Electrophoresis</i> , 2014, 35, 2673-2680.	1.3	23
39	A New Route to <i>N</i> -Aryl 2-Alkenamides, <i>N</i> -Allyl <i>N</i> -Aryl 2-Alkenamides, and <i>N</i> -Aryl 1,2-Unsaturated 3-Lactams from <i>N</i> -Aryl 3-(Phenylsulfonyl)propanamides. <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 83-90.	0.8	22
40	New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections. <i>International Journal of Pharmaceutics</i> , 2014, 463, 170-176.	2.6	21
41	Synthesis of uniform core-shell gelatin-alginate microparticles as intestine-released oral delivery drug carrier. <i>Electrophoresis</i> , 2014, 35, 330-336.	1.3	21
42	An Efficient Method for the Preparation of Nitriles via the Dehydration of Aldoximes with Phthalic Anhydride. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 619-627.	0.8	20
43	Inhibitory effects of cultured <i>Dendrobium tosaense</i> on atopic dermatitis murine model. <i>International Journal of Pharmaceutics</i> , 2014, 463, 193-200.	2.6	20
44	Synthesis of Benzofurans from Isovanillin via C-Propenylation-O-Vinylation and Ring-closing Metathesis. <i>Heterocycles</i> , 2004, 63, 1771.	0.4	20
45	Microfluidic-assisted synthesis of hemispherical and discoidal chitosan microparticles at an oil/water interface. <i>Electrophoresis</i> , 2012, 33, 3173-3180.	1.3	19
46	A New Synthesis of Benzofurans from Phenols via Claisen Rearrangement and Ring-Closing Metathesis. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 1307-1318.	0.8	18
47	Active Targeted Drug Delivery for Microbes Using Nano-Carriers. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1525-1531.	1.0	17
48	Synthesis of uniform poly(D,L-lactide) and poly(D,L-lactide-co-glycolide) microspheres using a microfluidic chip for comparison. <i>Electrophoresis</i> , 2014, 35, 316-322.	1.3	16
49	Guidance of neural regeneration on the biomimetic nanostructured matrix. <i>International Journal of Pharmaceutics</i> , 2014, 463, 177-183.	2.6	16
50	Amino-Functionalized Nitrogen-Doped Graphene-Quantum-Dot-Based Nanomaterials with Nitrogen and Amino-Functionalized Group Content Dependence for Highly Efficient Two-Photon Bioimaging. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2939.	1.8	16
51	A Synthesis of Substituted 3,6-Dihydro-1H-benzo[<i>c</i>]oxocines via Claisen Rearrangement and Ring-closing Metathesis. <i>Heterocycles</i> , 2002, 57, 2021.	0.4	16
52	tert-BuOK-mediated carbanion-ene intramolecular cyclization: synthesis of 2-substituted 3-benzylbenzofurans. <i>Tetrahedron</i> , 2011, 67, 9291-9297.	1.0	15
53	Origination and selection of ABCDE and AGL6 subfamily MADS-box genes in gymnosperms and angiosperms. <i>Biological Research</i> , 2019, 52, 25.	1.5	15
54	A Microfluidic Chip Using Phenol Formaldehyde Resin for Uniform-Sized Polycaprolactone and Chitosan Microparticle Generation. <i>Molecules</i> , 2013, 18, 6521-6531.	1.7	14

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55	Immobilization of Brassica oleracea Chlorophyllase 1 (BoCLH1) and Candida rugosa Lipase (CRL) in Magnetic Alginate Beads: An Enzymatic Evaluation in the Corresponding Proteins. <i>Molecules</i> , 2014, 19, 11800-11815.	1.7	14
56	Synthesis and Characterization of Oil-Chitosan Composite Spheres. <i>Molecules</i> , 2013, 18, 5749-5760.	1.7	13
57	A Facile Fabrication of Alginate Microbubbles Using a Gas Foaming Reaction. <i>Molecules</i> , 2013, 18, 9594-9602.	1.7	13
58	Synthesis of Magnetite Nanoparticles through a Lab-On-Chip Device. <i>Materials</i> , 2021, 14, 5906.	1.3	13
59	Syntheses of Substituted Naphthalenes and Naphthols. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 585-605.	0.8	12
60	Synthesis of Certain Benzoheterocyclic Compounds from 2-Hydroxyacetophenone via Cyclization and Ring-closing Metathesis. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 159-167.	0.8	11
61	Applications of Nanoparticles for Antimicrobial Activity and Drug Delivery. <i>Current Organic Chemistry</i> , 2014, 18, 204-215.	0.9	11
62	Synthesis and antiproliferative evaluation of 6-aryl-11-iminoindeno[1,2-c]quinoline derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7653-7663.	1.4	10
63	Magnetic Pycnoporus sanguineus-Loaded Alginate Composite Beads for Removing Dye from Aqueous Solutions. <i>Molecules</i> , 2014, 19, 8276-8288.	1.7	10
64	Emerging Electrical Biosensors for Detecting Pathogens and Antimicrobial Susceptibility Tests. <i>Current Organic Chemistry</i> , 2014, 18, 165-172.	0.9	9
65	Synthesis of Substituted Indenes from Isovanillin via Claisen Rearrangement and Ring-closing Metathesis. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 383-391.	0.8	8
66	One-step synthesis of platinum nanoparticles loaded in alginate bubbles. <i>Nanoscale Research Letters</i> , 2014, 9, 277.	3.1	8
67	Chlorophyllides: Preparation, Purification, and Application. <i>Biomolecules</i> , 2021, 11, 1115.	1.8	7
68	Antitumor Activity of Magnetite Nanoparticles: Influence of Hydrocarbonated Chain of Saturated Aliphatic Monocarboxylic Acids. <i>Current Organic Chemistry</i> , 2013, 17, 831-840.	0.9	6
69	A real-time impedance sensing chip for the detection of emulsion phase separation. <i>Electrophoresis</i> , 2013, 34, 1743-1748.	1.3	5
70	A Review of Bacteriochlorophyllides: Chemical Structures and Applications. <i>Molecules</i> , 2021, 26, 1293.	1.7	5
71	Biomedical Devices for Pathogen Detection Using Microfluidic Chips. <i>Current Proteomics</i> , 2014, 11, 116-120.	0.1	5
72	Optimization of Gene Transfection Condition using Taguchi Method for an Electroporation Microchip. , 2007, , .		4

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73	A Parallel-Arm Randomized Controlled Trial to Assess the Effects of a Far-Infrared-Emitting Collar on Neck Disorder. <i>Materials</i> , 2015, 8, 5862-5876.	1.3	4
74	The Development of Peptide-based Antimicrobial Agents against Dengue Virus. <i>Current Protein and Peptide Science</i> , 2018, 19, 998-1010.	0.7	4
75	Screening of Specific and Common Pathways in Breast Cancer Cell Lines MCF-7 and MDA-MB-231 Treated with Chlorophyllides Composites. <i>Molecules</i> , 2022, 27, 3950.	1.7	4
76	Syntheses of 4-alkoxy-3-methoxy-5-hydroxy-2-benzocycloheptenes and 2-alkoxy-3-methoxy-5-hydroxy-2-benzocycloheptenes from Isovanillin via Claisen Rearrangement and Ring-closing Metathesis. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 807-816.	0.8	3
77	Advances in Bio-hybrid Nanostructures with Anti-pathogenic Activity. <i>Current Medicinal Chemistry</i> , 2014, 21, 3323-3332.	1.2	3
78	Nanostructured Approaches for the Targeted Delivery of Antibiotics in Difficult Infections. <i>Current Organic Chemistry</i> , 2016, 21, 45-52.	0.9	3
79	Droplet-based Microfluidic Technology Applications in Polymer Science. <i>Current Proteomics</i> , 2014, 11, 92-97.	0.1	3
80	Renoprotective Effects of Shout Camphor Medicinal Mushroom (<i>Taiwanofungus camphorates</i>) of Medicinal Mushrooms, 2016, 18, 1105-1114.	0.9	3
81	Studies on the Mass Spectra of N-Aryl 1,2-Unsaturated 3-Lactams. <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 865-868.	0.8	2
82	Facile production of chlorophyllides using recombinant CrCLH1 and their cytotoxicity towards multidrug resistant breast cancer cell lines. <i>PLoS ONE</i> , 2021, 16, e0250565.	1.1	2
83	The Application of Optical Technology in Microfluidic Systems. <i>Current Proteomics</i> , 2014, 11, 80-85.	0.1	2
84	A Novel and Efficient Immunoassay: Using Electro-Microchip, Gold Nanoparticle and Silver Enhancement. , 2007, , .		1
85	A Novel Continuous Extrusion Process to Fabricate Wedge-Shaped Light Guide Plates. <i>International Journal of Polymer Science</i> , 2013, 2013, 1-6.	1.2	1
86	Facile synthesis of highly tunable monodispersed calcium hydroxide composite particles by using a two-step ion exchange reaction. <i>RSC Advances</i> , 2020, 10, 13700-13707.	1.7	1
87	Advances of Metal Enhanced Fluorescence Applications for the Biomedical Field. <i>Current Proteomics</i> , 2014, 11, 86-91.	0.1	1
88	A New Synthesis of Substituted 2,5-Dihydro[b]oxepines.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
89	Studies on the Mass Spectra of Monocyclic N-aryl-valerolactams. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 1171-1176.	0.8	0
90	A new method for the preparation of self-assembled phospholipid microtubes using microfluidic technology. , 0, , .		0

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91	Enhancement of an Electroporation System for Gene Delivery Using Electrophoresis with Planar Electrodes. , 2005, 2006, 522-5.		0
92	Using a CD-like microfluidic platform for uniform calcium alginate drug carrier generation. , 2007, , .		0
93	Water-soluble (MUA-coated) quantum dots: physicochemical characterization and application. , 2007, , .		0
94	Synthesis of twin alginate microparticles via microfluidic emulsification and sorting. , 2009, , .		0
95	Improvement in the Blood Urea Nitrogen and Serum Creatinine Using New Cultivation of Cordyceps militaris. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-10.	0.5	0