

Yuan Huang

List of Publications by Year in descending order

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80
papers

3,812
citations

109321

35
h-index

133252

59
g-index

82
all docs

82
docs citations

82
times ranked

5584
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming the Diffusion Barrier of Mucus and Absorption Barrier of Epithelium by Self-Assembled Nanoparticles for Oral Delivery of Insulin. <i>ACS Nano</i> , 2015, 9, 2345-2356.	14.6	318
2	LncRNA PVT1 promotes gemcitabine resistance of pancreatic cancer via activating Wnt/ β 2-catenin and autophagy pathway through modulating the miR-619-5p/Pygo2 and miR-619-5p/ATG14 axes. <i>Molecular Cancer</i> , 2020, 19, 118.	19.2	233
3	Boron: Functions and Approaches to Enhance Its Availability in Plants for Sustainable Agriculture. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1856.	4.1	179
4	Targeted delivery of celastrol to mesangial cells is effective against mesangioproliferative glomerulonephritis. <i>Nature Communications</i> , 2017, 8, 878.	12.8	142
5	Enhanced Oral Delivery of Protein Drugs Using Zwitterion-Functionalized Nanoparticles to Overcome both the Diffusion and Absorption Barriers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25444-25453.	8.0	127
6	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3309-3312.	13.8	121
7	Doxorubicin-loaded, charge reversible, folate modified HEMA copolymer conjugates for active cancer cell targeting. <i>Biomaterials</i> , 2014, 35, 5171-5187.	11.4	120
8	Engineering nanomaterials to overcome the mucosal barrier by modulating surface properties. <i>Advanced Drug Delivery Reviews</i> , 2018, 124, 150-163.	13.7	120
9	Multistage Nanovehicle Delivery System Based on Stepwise Size Reduction and Charge Reversal for Programmed Nuclear Targeting of Systemically Administered Anticancer Drugs. <i>Advanced Functional Materials</i> , 2015, 25, 4101-4113.	14.9	118
10	Design and evaluation of solid lipid nanoparticles modified with peptide ligand for oral delivery of protein drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 518-528.	4.3	100
11	Root respiratory burst oxidase homologue-dependent H ₂ O ₂ production confers salt tolerance on a grafted cucumber by controlling Na ⁺ exclusion and stomatal closure. <i>Journal of Experimental Botany</i> , 2018, 69, 3465-3476.	4.8	96
12	Tissue-specific respiratory burst oxidase homolog-dependent H ₂ O ₂ signaling to the plasma membrane H ⁺ -ATPase confers potassium uptake and salinity tolerance in Cucurbitaceae. <i>Journal of Experimental Botany</i> , 2019, 70, 5879-5893.	4.8	90
13	Sub-50 nm Nanoparticles with Biomimetic Surfaces to Sequentially Overcome the Mucosal Diffusion Barrier and the Epithelial Absorption Barrier. <i>Advanced Functional Materials</i> , 2016, 26, 2728-2738.	14.9	88
14	N-trimethyl chitosan nanoparticles and CSKSSDYQC peptide: N-trimethyl chitosan conjugates enhance the oral bioavailability of gemcitabine to treat breast cancer. <i>Journal of Controlled Release</i> , 2018, 277, 142-153.	9.9	83
15	An early ABA-induced stomatal closure, Na ⁺ sequestration in leaf vein and K ⁺ retention in mesophyll confer salt tissue tolerance in Cucurbita species. <i>Journal of Experimental Botany</i> , 2018, 69, 4945-4960.	4.8	77
16	Tumor targeting by pH-sensitive, biodegradable, cross-linked N-(2-hydroxypropyl) methacrylamide copolymer micelles. <i>Biomaterials</i> , 2014, 35, 6622-6635.	11.4	76
17	Protective role of proline against salt stress is partially related to the improvement of water status and peroxidase enzyme activity in cucumber. <i>Soil Science and Plant Nutrition</i> , 2009, 55, 698-704.	1.9	73
18	Polymeric Nanomedicine for Tumor-Targeted Combination Therapy to Elicit Synergistic Genotoxicity against Prostate Cancer. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6661-6673.	8.0	58

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19	Bioinspired butyrate-functionalized nanovehicles for targeted oral delivery of biomacromolecular drugs. <i>Journal of Controlled Release</i> , 2017, 262, 273-283.	9.9	58
20	Wheat Intercropping Enhances the Resistance of Watermelon to Fusarium Wilt. <i>Frontiers in Plant Science</i> , 2018, 9, 696.	3.6	56
21	Caffeine inhibits hypothalamic AIR to excite oxytocin neuron and ameliorate dietary obesity in mice. <i>Nature Communications</i> , 2017, 8, 15904.	12.8	55
22	Effect of grafting on the growth and ion concentrations of cucumber seedlings under NaCl stress. <i>Soil Science and Plant Nutrition</i> , 2008, 54, 895-902.	1.9	54
23	Improving magnesium uptake, photosynthesis and antioxidant enzyme activities of watermelon by grafting onto pumpkin rootstock under low magnesium. <i>Plant and Soil</i> , 2016, 409, 229-246.	3.7	54
24	Dual Stimuli-Responsive Hybrid Polymeric Nanoparticles Self-Assembled from POSS-Based Starlike Copolymer-Drug Conjugates for Efficient Intracellular Delivery of Hydrophobic Drugs. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13251-13261.	8.0	51
25	Post-transcriptional regulation of cardiac sodium channel gene SCN5A expression and function by miR-192-5p. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2024-2034.	3.8	48
26	Molecular Basis of Gene-Gene Interaction: Cyclic Cross-Regulation of Gene Expression and Post-GWAS Gene-Gene Interaction Involved in Atrial Fibrillation. <i>PLoS Genetics</i> , 2015, 11, e1005393.	3.5	47
27	Multifunctional Nanoparticles Enable Efficient Oral Delivery of Biomacromolecules via Improving Payload Stability and Regulating the Transcytosis Pathway. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34039-34049.	8.0	47
28	TSPAN1 promotes autophagy flux and mediates cooperation between WNT-CTNNB1 signaling and autophagy via the <i>MIR454</i> -FAM83A-TSPAN1 axis in pancreatic cancer. <i>Autophagy</i> , 2021, 17, 3175-3195.	9.1	47
29	Tailored elasticity combined with biomimetic surface promotes nanoparticle transcytosis to overcome mucosal epithelial barrier. <i>Biomaterials</i> , 2020, 262, 120323.	11.4	45
30	Comparative analysis of volatile compounds in thirty nine melon cultivars by headspace solid-phase microextraction and gas chromatography-mass spectrometry. <i>Food Chemistry</i> , 2020, 316, 126342.	8.2	44
31	Effects of scion and rootstock genotypes on the anti-oxidant defense systems of grafted cucumber seedlings under NaCl stress. <i>Soil Science and Plant Nutrition</i> , 2010, 56, 263-271.	1.9	41
32	β -Crystallin Interacts with Nav1.5 and Regulates Ubiquitination and Internalization of Cell Surface Nav1.5. <i>Journal of Biological Chemistry</i> , 2016, 291, 11030-11041.	3.4	41
33	Evaluation of Appropriate Reference Genes for Gene Expression Normalization during Watermelon Fruit Development. <i>PLoS ONE</i> , 2015, 10, e0130865.	2.5	40
34	Ectopic Expression of Pumpkin NAC Transcription Factor CmNAC1 Improves Multiple Abiotic Stress Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 2052.	3.6	38
35	Epirubicin directly promotes hepatitis B virus (HBV) replication in stable HBV-expressing cell lines: A novel mechanism of HBV reactivation following anticancer chemotherapy. <i>Molecular Medicine Reports</i> , 2014, 9, 1345-1350.	2.4	37
36	A novel ligand conjugated nanoparticles for oral insulin delivery. <i>Drug Delivery</i> , 2016, 23, 2015-2025.	5.7	37

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37	G3-C12 Peptide Reverses Galectin-3 from Foe to Friend for Active Targeting Cancer Treatment. <i>Molecular Pharmaceutics</i> , 2015, 12, 4124-4136.	4.6	36
38	Enhanced Reactive Oxygen Species Generation by Mitochondria Targeting of Anticancer Drug To Overcome Tumor Multidrug Resistance. <i>Biomacromolecules</i> , 2019, 20, 3755-3766.	5.4	34
39	Enhanced stability of oral insulin in targeted peptide ligand trimethyl chitosan nanoparticles against trypsin. <i>Journal of Microencapsulation</i> , 2015, 32, 632-641.	2.8	32
40	Two birds, one stone: dual targeting of the cancer cell surface and subcellular mitochondria by the galectin-3-binding peptide G3-C12. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 806-822.	6.1	32
41	Time-staggered delivery of docetaxel and H1-S6A,F8A peptide for sequential dual-strike chemotherapy through tumor priming and nuclear targeting. <i>Journal of Controlled Release</i> , 2016, 232, 62-74.	9.9	31
42	Pumpkin CmHKT1;1 Controls Shoot Na ⁺ Accumulation via Limiting Na ⁺ Transport from Rootstock to Scion in Grafted Cucumber. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2648.	4.1	31
43	Dual-pH responsive micelle platform for co-delivery of axitinib and doxorubicin. <i>International Journal of Pharmaceutics</i> , 2016, 507, 50-60.	5.2	29
44	STYK1 promotes autophagy through enhancing the assembly of autophagy-specific class III phosphatidylinositol 3-kinase complex I. <i>Autophagy</i> , 2020, 16, 1786-1806.	9.1	28
45	Charge-Reversible Multifunctional HEMA Copolymers for Mitochondrial Targeting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27563-27574.	8.0	27
46	Transport Mechanisms of Butyrate Modified Nanoparticles: Insight into "Easy Entry, Hard Transcytosis" of Active Targeting System in Oral Administration. <i>Molecular Pharmaceutics</i> , 2018, 15, 4273-4283.	4.6	27
47	Transcriptional regulation of lycopene metabolism mediated by rootstock during the ripening of grafted watermelons. <i>Food Chemistry</i> , 2017, 214, 406-411.	8.2	25
48	Lipid nanovehicles with adjustable surface properties for overcoming multiple barriers simultaneously in oral administration. <i>International Journal of Pharmaceutics</i> , 2017, 520, 216-227.	5.2	24
49	Pumpkin rootstock improves the growth and development of watermelon by enhancing uptake and transport of boron and regulating the gene expression. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 204-218.	5.8	23
50	Insights into the Binding Mechanism of Polyphenols and Fish Myofibrillar Proteins Explored Using Multi-spectroscopic Methods. <i>Food and Bioprocess Technology</i> , 2020, 13, 797-806.	4.7	23
51	Assessment of Suitable Reference Genes for Quantitative Gene Expression Studies in Melon Fruits. <i>Frontiers in Plant Science</i> , 2016, 7, 1178.	3.6	22
52	Significant association of rare variant p.Gly8Ser in cardiac sodium channel β subunit SCN4B with atrial fibrillation. <i>Annals of Human Genetics</i> , 2019, 83, 239-248.	0.8	22
53	Effects of salt-tolerant rootstock grafting on ultrastructure, photosynthetic capacity, and H ₂ O ₂ -scavenging system in chloroplasts of cucumber seedlings under NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2311-2319.	2.1	21
54	Systematic evaluation of the toxicity and biodistribution of virus mimicking mucus-penetrating DLPC-NPs as oral drug delivery system. <i>International Journal of Pharmaceutics</i> , 2017, 530, 89-98.	5.2	21

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55	Transient Receptor Potential Melastatin 8 (TRPM8) Channel Regulates Proliferation and Migration of Breast Cancer Cells by Activating the AMPK-ULK1 Pathway to Enhance Basal Autophagy. <i>Frontiers in Oncology</i> , 2020, 10, 573127.	2.8	21
56	Small GTPases SAR1A and SAR1B regulate the trafficking of the cardiac sodium channel Nav1.5. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3672-3684.	3.8	20
57	A novel <i>KCND3</i> mutation associated with early-onset lone atrial fibrillation. <i>Oncotarget</i> , 2017, 8, 115503-115512.	1.8	18
58	Subcellular co-delivery of two different site-oriented payloads for tumor therapy. <i>Nanoscale</i> , 2017, 9, 1547-1558.	5.6	17
59	High Throughput Sequencing of Small RNAs in the Two Cucurbita Germplasm with Different Sodium Accumulation Patterns Identifies Novel MicroRNAs Involved in Salt Stress Response. <i>PLoS ONE</i> , 2015, 10, e0127412.	2.5	16
60	Novel fibronectin-targeted nanodisk drug delivery system displayed superior efficacy against prostate cancer compared with nanospheres. <i>Nano Research</i> , 2019, 12, 2451-2459.	10.4	15
61	Promoting apical-to-basolateral unidirectional transport of nanoformulations by manipulating the nutrient-absorption pathway. <i>Journal of Controlled Release</i> , 2020, 323, 151-160.	9.9	13
62	Grafting Watermelon Onto Pumpkin Increases Chilling Tolerance by Up Regulating Arginine Decarboxylase to Increase Putrescine Biosynthesis. <i>Frontiers in Plant Science</i> , 2021, 12, 812396.	3.6	13
63	Novel class of 7-Oxabicyclo[2.2.1]heptene sulfonamides with long alkyl chains displaying improved estrogen receptor α degradation activity. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111605.	5.5	12
64	Comparison of active and passive targeting of doxorubicin for somatostatin receptor 2 positive tumor models by octreotide-modified HPMA copolymer-doxorubicin conjugates. <i>Drug Delivery</i> , 2016, 23, 285-296.	5.7	11
65	Application of boron reduces vanadium toxicity by altering the subcellular distribution of vanadium, enhancing boron uptake and enhancing the antioxidant defense system of watermelon. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112828.	6.0	11
66	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie</i> , 2016, 128, 3370-3373.	2.0	10
67	Determination of d,l-Amino Acids in Collagen from Pig and Cod Skins by UPLC Using Pre-column Fluorescent Derivatization. <i>Food Analytical Methods</i> , 2018, 11, 3130-3137.	2.6	10
68	S-phase arrest after vincristine treatment may promote hepatitis B virus replication. <i>World Journal of Gastroenterology</i> , 2015, 21, 1498.	3.3	9
69	The impact of the HPMA polymer structure on the targeting performance of the conjugated hydrophobic ligand. <i>RSC Advances</i> , 2015, 5, 14858-14870.	3.6	8
70	p.D1690N sodium voltage-gated channel β subunit 5 mutation reduced sodium current density and is associated with Brugada syndrome. <i>Molecular Medicine Reports</i> , 2016, 13, 5216-5222.	2.4	8
71	An in vitro investigation of a detachable fork-like structure as efficient nuclear-targeted sub-unit in A2780 cell cultures. <i>International Journal of Pharmaceutics</i> , 2016, 500, 100-109.	5.2	8
72	TRIM4 interacts with TRPM8 and regulates its channel function through K423 ϵ -mediated ubiquitination. <i>Journal of Cellular Physiology</i> , 2021, 236, 2934-2949.	4.1	8

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73	Compatibility Evaluation and Anatomical Observation of Melon Grafted Onto Eight Cucurbitaceae Species. <i>Frontiers in Plant Science</i> , 2021, 12, 762889.	3.6	6
74	The LCK-14-3-3 β -TRPM8 axis regulates TRPM8 function/assembly and promotes pancreatic cancer malignancy. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	6
75	Identification of rare variants in cardiac sodium channel α 4-subunit gene SCN4B associated with ventricular tachycardia. <i>Molecular Genetics and Genomics</i> , 2019, 294, 1059-1071.	2.1	5
76	Improvement of anti-tumor abilities on human non-small cell lung carcinoma by micellization and cross-linking of N-(2-hydroxypropyl) methacrylamide copolymers. <i>Journal of Drug Targeting</i> , 2015, 23, 821-831.	4.4	4
77	A novel α -V β 3 ligand-modified HPMA copolymers for anticancer drug delivery. <i>Journal of Drug Targeting</i> , 2018, 26, 231-241.	4.4	4
78	A New Grafting Method for Watermelon to Inhibit Rootstock Regrowth and Enhance Scion Growth. <i>Agriculture (Switzerland)</i> , 2021, 11, 812.	3.1	4
79	Highly sensitive novel fluorescent chiral probe possessing (S)-2-methylproline structures for the determination of chiral amino compounds by ultra-performance liquid chromatography with fluorescence: An application in the saliva of healthy volunteer. <i>Journal of Chromatography A</i> , 2022, 1661, 462672.	3.7	4
80	Spatial–Temporal Response of Reactive Oxygen Species and Salicylic Acid Suggest Their Interaction in Pumpkin Rootstock-Induced Chilling Tolerance in Watermelon Plants. <i>Antioxidants</i> , 2021, 10, 2024.	5.1	3