

Chun Yang

List of Publications by Year in descending order

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96
papers

5,022
citations

186265

28
h-index

91884

69
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96
all docs

96
docs citations

96
times ranked

7657
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical memory and dosing influence stem cell fate. <i>Nature Materials</i> , 2014, 13, 645-652.	27.5	943
2	A benchmark study on the thermal conductivity of nanofluids. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	897
3	Integrin activation and internalization on soft ECM as a mechanism of induction of stem cell differentiation by ECM elasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9466-9471.	7.1	302
4	Ultrashort single-walled carbon nanotubes in a lipid bilayer as a new nanopore sensor. <i>Nature Communications</i> , 2013, 4, 2989.	12.8	175
5	Engineering microfluidic concentration gradient generators for biological applications. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 1-18.	2.2	152
6	Kalman Filtering with Nonlinear State Constraints. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2009, 45, 70-84.	4.7	147
7	K33-Linked Polyubiquitination of T Cell Receptor- ζ Regulates Proteolysis-Independent T Cell Signaling. <i>Immunity</i> , 2010, 33, 60-70.	14.3	140
8	Exploiting EST databases for the development and characterization of EST-SSR markers in castor bean (<i>Ricinus communis</i> L.). <i>BMC Plant Biology</i> , 2010, 10, 278.	3.6	136
9	Increased Expression of NAD(P)H Oxidase Subunit p67phox in the Renal Medulla Contributes to Excess Oxidative Stress and Salt-Sensitive Hypertension. <i>Cell Metabolism</i> , 2012, 15, 201-208.	16.2	131
10	Performance Measures of Covariance and Information Matrices in Resource Management for Target State Estimation. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2012, 48, 2594-2613.	4.7	111
11	Mobile positioning via fusion of mixed signals of opportunity. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2014, 29, 34-46.	1.3	110
12	Highly Sensitive Simultaneous Detection of Lead(II) and Barium(II) with G-Quadruplex DNA in ζ -Hemolysin Nanopore. <i>Analytical Chemistry</i> , 2013, 85, 7302-7307.	6.5	108
13	Key Factors Influencing Consumers' Purchase of Electric Vehicles. <i>Sustainability</i> , 2019, 11, 3863.	3.2	107
14	Capillary Filling in Closed End Nanochannels. <i>Langmuir</i> , 2010, 26, 13251-13255.	3.5	69
15	Optimal Placement of Heterogeneous Sensors for Targets with Gaussian Priors. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2013, 49, 1637-1653.	4.7	68
16	Autofluorescence generation and elimination: a lesson from glutaraldehyde. <i>Chemical Communications</i> , 2013, 49, 3028.	4.1	68
17	Extraction and preconcentration of trace levels of cobalt using functionalized magnetic nanoparticles in a sequential injection lab-on-valve system with detection by electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2012, 713, 92-96.	5.4	60
18	Image-based modeling for better understanding and assessment of atherosclerotic plaque progression and vulnerability: Data, modeling, validation, uncertainty and predictions. <i>Journal of Biomechanics</i> , 2014, 47, 834-846.	2.1	59

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19	Acute Increases in Plasma Mammalian Target of Rapamycin, Glycogen Synthase Kinase-3 β , and Eukaryotic Elongation Factor 2 Phosphorylation After Ketamine Treatment in Three Depressed Patients. <i>Biological Psychiatry</i> , 2013, 73, e35-e36.	1.3	52
20	Ketamine exerts antidepressant effects and reduces IL-1 β and IL-6 levels in rat prefrontal cortex and hippocampus. <i>Experimental and Therapeutic Medicine</i> , 2013, 5, 1093-1096.	1.8	50
21	Mitochondrial proteomic analysis reveals deficiencies in oxygen utilization in medullary thick ascending limb of Henle in the Dahl salt-sensitive rat. <i>Physiological Genomics</i> , 2012, 44, 829-842.	2.3	45
22	Rapid antidepressant effects and abuse liability of ketamine. <i>Psychopharmacology</i> , 2014, 231, 2041-2042.	3.1	39
23	Multi-physics MRI-based two-layer fluid-structure interaction anisotropic models of human right and left ventricles with different patch materials: Cardiac function assessment and mechanical stress analysis. <i>Computers and Structures</i> , 2011, 89, 1059-1068.	4.4	38
24	The Influential Factors of Consumers' Sustainable Consumption: A Case on Electric Vehicles in China. <i>Sustainability</i> , 2020, 12, 3496.	3.2	38
25	Analysis of capillary filling in nanochannels with electroviscous effects. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 519-530.	2.2	37
26	The prostate cancer-up-regulated myc-associated zinc-finger protein (MAZ) modulates proliferation and metastasis through reciprocal regulation of androgen receptor. <i>Medical Oncology</i> , 2013, 30, 570.	2.5	36
27	On-line coupling of sequential injection lab-on-valve to differential pulse anodic stripping voltammetry for determination of Pb in water samples. <i>Talanta</i> , 2009, 77, 1203-1207.	5.5	31
28	Synergism between cucumber α -expansin, fungal endoglucanase and pectin lyase. <i>Journal of Plant Physiology</i> , 2010, 167, 1204-1210.	3.5	31
29	Development of a sensitive and selective kojic acid sensor based on molecularly imprinted polymer modified electrode in the lab-on-valve system. <i>Talanta</i> , 2011, 85, 2522-2527.	5.5	31
30	Integrin activation and internalization mediated by extracellular matrix elasticity: A biomechanical model. <i>Journal of Biomechanics</i> , 2014, 47, 1479-1484.	2.1	31
31	The Role of Lysophosphatidic Acid Receptor (LPA ₁) in the Oxygen-Induced Retinal Ganglion Cell Degeneration. , 2009, 50, 1290.		30
32	Recent Developments of an Opto-Electronic THz Spectrometer for High-Resolution Spectroscopy. <i>Sensors</i> , 2009, 9, 9039-9057.	3.8	29
33	Dynamic convergence and divergence of renal genomic and biological pathways in protection from Dahl salt-sensitive hypertension. <i>Physiological Genomics</i> , 2010, 41, 63-70.	2.3	28
34	Dishevelled-2 silencing reduces androgen-dependent prostate tumor cell proliferation and migration and expression of Wnt-3a and matrix metalloproteinases. <i>Molecular Biology Reports</i> , 2013, 40, 4241-4250.	2.3	28
35	Role of Renal Perfusion Pressure Versus Angiotensin II on Renal Oxidative Stress in Angiotensin II-Induced Hypertensive Rats. <i>Hypertension</i> , 2010, 55, 1425-1430.	2.7	27
36	Automated solid-phase extraction hyphenated to voltammetry for the determination of quercetin using magnetic nanoparticles and sequential injection lab-on-valve approach. <i>Analyst</i> , The, 2012, 137, 2400.	3.5	26

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37	Consumer Food Waste Behavior among Emerging Adults: Evidence from China. <i>Foods</i> , 2020, 9, 961.	4.3	26
38	The Impact of Perceived Interactivity and Intrinsic Value on Users'™ Continuance Intention in Using Mobile Augmented Reality Virtual Shoe-Try-On Function. <i>Systems</i> , 2022, 10, 3.	2.3	26
39	Intrastriatal GDNF gene transfer by inducible lentivirus vectors protects dopaminergic neurons in a rat model of parkinsonism. <i>Experimental Neurology</i> , 2014, 261, 87-96.	4.1	25
40	Determination of cadmium with a sequential injection lab-on-valve by anodic stripping voltammetry using a nafion coated bismuth film electrode. <i>Talanta</i> , 2010, 80, 1959-1963.	5.5	24
41	A Design Thinking-Based Study of the Prospect of the Sustainable Development of Traditional Handicrafts. <i>Sustainability</i> , 2019, 11, 4823.	3.2	24
42	Regulated Expression of Lentivirus-Mediated GDNF in Human Bone Marrow-Derived Mesenchymal Stem Cells and Its Neuroprotection on Dopaminergic Cells In Vitro. <i>PLoS ONE</i> , 2013, 8, e64389.	2.5	22
43	Effects of stress fiber contractility on uniaxial stretch guiding mitosis orientation and stress fiber alignment. <i>Journal of Biomechanics</i> , 2011, 44, 2388-2394.	2.1	20
44	Roles of fibroblasts from the interface zone in invasion, migration, proliferation and apoptosis of gastric adenocarcinoma. <i>Journal of Clinical Pathology</i> , 2012, 65, 888-895.	2.0	20
45	Identification of a novel selective H1-antihistamine with optimized pharmacokinetic properties for clinical evaluation in the treatment of insomnia. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5874-5878.	2.2	19
46	Human Albumin Prevents 6-Hydroxydopamine-Induced Loss of Tyrosine Hydroxylase in In Vitro and In Vivo. <i>PLoS ONE</i> , 2012, 7, e41226.	2.5	19
47	Characterization of biological pathways associated with a 1.37 Mbp genomic region protective of hypertension in Dahl S rats. <i>Physiological Genomics</i> , 2014, 46, 398-410.	2.3	19
48	Capillary Isoelectric Focusing with an Open Tubular Immobilized pH Gradient. <i>Analytical Chemistry</i> , 2010, 82, 1580-1583.	6.5	18
49	Increased Proliferative Cells in the Medullary Thick Ascending Limb of the Loop of Henle in the Dahl Salt-Sensitive Rat. <i>Hypertension</i> , 2013, 61, 208-215.	2.7	18
50	Capillary Filling in Nanochannels'™ Modeling, Fabrication, and Experiments. <i>Heat Transfer Engineering</i> , 2011, 32, 624-635.	1.9	17
51	Ketamine attenuates the lipopolysaccharide-induced inflammatory response in cultured N2a cells. <i>Molecular Medicine Reports</i> , 2013, 8, 217-220.	2.4	17
52	Tramadol reinforces antidepressant effects of ketamine with increased levels of brain-derived neurotrophic factor and tropomyosin-related kinase B in rat hippocampus. <i>Frontiers of Medicine</i> , 2012, 6, 411-415.	3.4	16
53	An electrochemical assay for the determination of Se (IV) in a sequential injection lab-on-valve system. <i>Analytica Chimica Acta</i> , 2009, 649, 75-79.	5.4	15
54	Epimorphin Regulates Bile Duct Formation via Effects on Mitosis Orientation in Rat Liver Epithelial Stem-Like Cells. <i>PLoS ONE</i> , 2010, 5, e9732.	2.5	15

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55	Continuance Intention of Augmented Reality Textbooks in Basic Design Course. <i>Education Sciences</i> , 2021, 11, 208.	2.6	15
56	Lipid rafts participate in aberrant degradative autophagic-lysosomal pathway of amyloid-beta peptide in Alzheimer's disease. <i>Neural Regeneration Research</i> , 2014, 9, 92.	3.0	14
57	A multiphysics modeling approach to develop right ventricle pulmonary valve replacement surgical procedures with a contracting band to improve ventricle ejection fraction. <i>Computers and Structures</i> , 2013, 122, 78-87.	4.4	13
58	Selectivity profiling of novel indene H1-antihistamines for the treatment of insomnia. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2629-2633.	2.2	12
59	Cortactin activation by FVIIa/tissue factor and PAR2 promotes endothelial cell migration. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R577-R585.	1.8	10
60	Fabrication and Experimental Characterization of Nanochannels. <i>Journal of Heat Transfer</i> , 2012, 134, .	2.1	10
61	Using contracting band to improve right ventricle ejection fraction for patients with repaired tetralogy of Fallot: A modeling study using patient-specific CMR-based 2-layer anisotropic models of human right and left ventricles. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 285-293.e2.	0.8	10
62	Natural Ventilation Effectiveness of Awning Windows in Restrooms in K-12 Public Schools. <i>Energies</i> , 2019, 12, 2414.	3.1	10
63	Examining the Influence of Moral Norms on Dockless Shared Bicycle Users'™ Parking Behavior™ An Exploratory Study Based on the Theory of Planned Behavior. <i>Systems</i> , 2022, 10, 11.	2.3	10
64	Effects of AR Picture Books on German Teaching in Universities. <i>Journal of Intelligence</i> , 2022, 10, 13.	2.5	10
65	Influence of pKa on the biotransformation of indene H1-antihistamines by CYP2D6. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 947-951.	2.2	9
66	Lab-on-valve (LOV) system coupled to irreversible biamperometric detection for the on-line monitoring of catechol. <i>Talanta</i> , 2010, 82, 1500-1504.	5.5	8
67	Correlations Between Fasciology and Yin Yang Doctrine. <i>JAMS Journal of Acupuncture and Meridian Studies</i> , 2011, 4, 141-146.	0.7	8
68	Fast-spiking interneurons and gamma oscillations may be involved in the antidepressant effects of ketamine. <i>Medical Hypotheses</i> , 2012, 79, 85-86.	1.5	8
69	The impact of eye-tracking games as a training case on students' learning interest and continuous learning intention in game design courses: Taking Flappy Bird as an example. <i>Learning and Motivation</i> , 2022, 78, 101808.	1.2	8
70	Rapamycin and mTOR inhibitors probably have therapeutic effects for post-operative cognitive dysfunction. <i>Medical Hypotheses</i> , 2013, 81, 487-488.	1.5	7
71	Pre-immunization with an Intramuscular Injection of AAV9-Human Erythropoietin Vectors Reduces the Vector-Mediated Transduction following Re-Administration in Rat Brain. <i>PLoS ONE</i> , 2013, 8, e63876.	2.5	7
72	Could Surplus Food in Blind Box Form Increase Consumers'™ Purchase Intention?. <i>Agriculture (Switzerland)</i> , 2022, 12, 864.	3.1	7

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73	Nuclear factor- κ B is involved in the phenotype loss of parvalbumin-interneurons in vitro. <i>NeuroReport</i> , 2011, 22, 264-268.	1.2	6
74	Ketamine may exert antidepressant effects via mediating the kynurenine pathway. <i>Expert Opinion on Therapeutic Targets</i> , 2011, 15, 1423-1424.	3.4	6
75	CD44 variant isoforms are specifically expressed on peripheral blood lymphocytes from asthmatic patients. <i>Experimental and Therapeutic Medicine</i> , 2012, 4, 79-83.	1.8	6
76	Factors Affecting Consumers' Purchasing of Suboptimal Foods during the COVID-19 Pandemic. <i>Agriculture (Switzerland)</i> , 2022, 12, 99.	3.1	6
77	The impact of reusable tableware packaging combined with environmental propaganda on consumer behaviour in online retail. <i>PLoS ONE</i> , 2022, 17, e0264562.	2.5	6
78	Adsorption kinetics of methane on a template-synthesized carbon powder and its pellet. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 294-300.	1.5	5
79	Pattern Preference Analysis of Black-and-White Plaid Shirts. <i>Sustainability</i> , 2018, 10, 3739.	3.2	5
80	The Impact of Alternative Foods on Consumers' Continuance Intention from an Innovation Perspective. <i>Foods</i> , 2022, 11, 1167.	4.3	5
81	A pair of taxoids from the needles of <i>Taxus canadensis</i> . <i>Journal of Asian Natural Products Research</i> , 2009, 11, 534-538.	1.4	4
82	Stress fiber response to mechanics: a free energy dependent statistical model. <i>Soft Matter</i> , 2014, 10, 4603.	2.7	4
83	Study on Design Strategy for Sustainable Development of Chinese Solar Term Culture. <i>Sustainability</i> , 2018, 10, 4355.	3.2	4
84	A bright future of researching AMPA receptor agonists for depression treatment. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 583-585.	4.1	3
85	AMPA receptor potentially participates in the mediation of the increased brain-derived neurotrophic factor following chronic ketamine use. <i>Psychopharmacology</i> , 2012, 220, 243-243.	3.1	3
86	A Study on Needs for Automotive Interiors Based on Lifestyle Characteristics of Taiwanese Female Office Workers. <i>Sustainability</i> , 2018, 10, 2168.	3.2	3
87	Concerns about the antidepressant-like effects of high-dose ketamine in mice. <i>Psychopharmacology</i> , 2011, 215, 813-813.	3.1	2
88	Online Coupling of Lab-on-Valve Format to Amperometry Based on Polyvinylpyrrolidone-Doped Carbon Paste Electrode and Its Application to the Analysis of Morin. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-8.	1.6	2
89	The Influence of Introducing the Concept of Sustainable System Design Thinking on Consumer Cognition: A Designer's Perspective. <i>Systems</i> , 2022, 10, 85.	2.3	2
90	UV-induced transformation and physicochemical property changes of quantum dots in the presence of air. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	1

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91	Mass Transport in Nanochannels. Micro and Nanosystems, 2010, 2, 286-297.	0.6	1
92	Research on the Creativity of the Design of Ritual Image of Products “ Taking Ceramic Innovation as an Example. , 2020, , .		1
93	A Study of the Effects of Interactive AI Image Processing Functions on Children’s Painting Education. Lecture Notes in Computer Science, 2022, , 93-108.	1.3	1
94	A study on the differences in the demand for automobile interior decoration of female office workers. , 2018, , .		0
95	A Study of Design Communication on Sharing Bicycle Experience by Concept of Empathy Design. , 2019, , .		0
96	A STUDY ON THE PREFERENCE OF FEMALE OFFICE WORKERS FOR THE COLOR OF AUTOMOBILE INTERIOR. , 2019, , .		0