

# Xudong Huang

## List of Publications by Year in descending order

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120  
papers

12,894  
citations

50276

46  
h-index

24982

109  
g-index

132  
all docs

132  
docs citations

132  
times ranked

11456  
citing authors

#	ARTICLE	IF	CITATIONS
1	ATXN2-mediated translation of TNFR1 promotes esophageal squamous cell carcinoma via m6A-dependent manner. <i>Molecular Therapy</i> , 2022, 30, 1089-1103.	8.2	17
2	An Overview of ICA/BSS-Based Application to Alzheimer's Brain Signal Processing. <i>Biomedicines</i> , 2021, 9, 386.	3.2	5
3	LINC00842 inactivates transcription co-regulator PGC-1 $\beta$ to promote pancreatic cancer malignancy through metabolic remodelling. <i>Nature Communications</i> , 2021, 12, 3830.	12.8	34
4	NSUN2-mediated RNA 5-methylcytosine promotes esophageal squamous cell carcinoma progression via LIN28B-dependent GRB2 mRNA stabilization. <i>Oncogene</i> , 2021, 40, 5814-5828.	5.9	59
5	<i>N6</i> -methyladenosine-Mediated Upregulation of WTAPP1 Promotes WTAP Translation and Wnt Signaling to Facilitate Pancreatic Cancer Progression. <i>Cancer Research</i> , 2021, 81, 5268-5283.	0.9	46
6	Roles of $\beta$ -Endorphin in Stress, Behavior, Neuroinflammation, and Brain Energy Metabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 338.	4.1	72
7	Genome-wide identification and characterization of circular RNA m6A modification in pancreatic cancer. <i>Genome Medicine</i> , 2021, 13, 183.	8.2	10
8	Inflammatory cytokine-regulated tRNA-derived fragment tRF-21 suppresses pancreatic ductal adenocarcinoma progression. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	36
9	A Pilot Study of Multi-Input Recurrent Neural Networks for Drug-Kinase Binding Prediction. <i>Molecules</i> , 2020, 25, 3372.	3.8	3
10	Serum piRNA-54265 is a New Biomarker for early detection and clinical surveillance of Human Colorectal Cancer. <i>Theranostics</i> , 2020, 10, 8468-8478.	10.0	58
11	Current Cognition Tests, Potential Virtual Reality Applications, and Serious Games in Cognitive Assessment and Non-Pharmacological Therapy for Neurocognitive Disorders. <i>Journal of Clinical Medicine</i> , 2020, 9, 3287.	2.4	26
12	Overcoming Alzheimer's Disease Stigma by Leveraging Artificial Intelligence and Blockchain Technologies. <i>Brain Sciences</i> , 2020, 10, 183.	2.3	16
13	Designing Socially Assistive Robots for Alzheimer's Disease and Related Dementia Patients and Their Caregivers: Where We Are and Where We Are Headed. <i>Healthcare (Switzerland)</i> , 2020, 8, 73.	2.0	27
14	A Preliminary Study of Cu Exposure Effects upon Alzheimer's Amyloid Pathology. <i>Biomolecules</i> , 2020, 10, 408.	4.0	5
15	Exposure to CuO Nanoparticles Mediates NF $\kappa$ B Activation and Enhances Amyloid Precursor Protein Expression. <i>Biomedicines</i> , 2020, 8, 45.	3.2	12
16	Exposure of CuO Nanoparticles Contributes to Cellular Apoptosis, Redox Stress, and Alzheimer's A $\beta$ 2 Amyloidosis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1005.	2.6	15
17	A Novel Dual Fluorochrome Near-Infrared Imaging Probe for Potential Alzheimer's Enzyme Biomarkers-BACE1 and Cathepsin D. <i>Molecules</i> , 2020, 25, 274.	3.8	5
18	Network Medicine Approach for Analysis of Alzheimer's Disease Gene Expression Data. <i>International Journal of Molecular Sciences</i> , 2020, 21, 332.	4.1	12

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19	Simultaneous Monitoring of Multi-Enzyme Activity and Concentration in Tumor Using a Triply Labeled Fluorescent In Vivo Imaging Probe. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3068.	4.1	3
20	Identification and Analysis of Alzheimer's Candidate Genes by an Amplitude Deviation Algorithm. , 2019, 09, .		15
21	Modulation of SPARC/Hevin Proteins in Alzheimer's Disease Brain Injury. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 695-710.	2.6	23
22	PIWI-interacting RNA-36712 restrains breast cancer progression and chemoresistance by interaction with SEPWI pseudogene SEPWI RNA. <i>Molecular Cancer</i> , 2019, 18, 9.	19.2	139
23	Alzheimer's Disease and Its Potential Alternative Therapeutics. , 2019, 9, .		12
24	Alzheimer's Pathogenesis, Metal-Mediated Redox Stress, and Potential Nanotheranostics. , 2019, 7, 547-558.		0
25	Nanoneurotoxicity and Potential Nanotheranostics for Alzheimer's Disease. , 2019, 7, 1-7.		2
26	Effects of Baicalein on Cortical Proinflammatory Cytokines and the Intestinal Microbiome in Senescence Accelerated Mouse Prone 8. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1714-1724.	3.5	47
27	S-Adenosyl Methionine and Transmethylation Pathways in Neuropsychiatric Diseases Throughout Life. <i>Neurotherapeutics</i> , 2018, 15, 156-175.	4.4	68
28	Genetic variant repressing ADH1A expression confers susceptibility to esophageal squamous-cell carcinoma. <i>Cancer Letters</i> , 2018, 421, 43-50.	7.2	16
29	A Novel Quasi-3D Method for Cascade Flow Considering Axial Velocity Density Ratio. <i>International Journal of Turbo and Jet Engines</i> , 2018, 35, 81-94.	0.7	2
30	Deep learning and virtual drug screening. <i>Future Medicinal Chemistry</i> , 2018, 10, 2557-2567.	2.3	93
31	PIWI-interacting RNA-54265 is oncogenic and a potential therapeutic target in colorectal adenocarcinoma. <i>Theranostics</i> , 2018, 8, 5213-5230.	10.0	115
32	Manganese causes neurotoxic iron accumulation via translational repression of amyloid precursor protein and H-ferritin. <i>Journal of Neurochemistry</i> , 2018, 147, 831-848.	3.9	52
33	The role of complement activation in rhabdomyolysis-induced acute kidney injury. <i>PLoS ONE</i> , 2018, 13, e0192361.	2.5	9
34	Machine Learning-based Virtual Screening and Its Applications to Alzheimer's Drug Discovery: A Review. <i>Current Pharmaceutical Design</i> , 2018, 24, 3347-3358.	1.9	123
35	Mechanism Study of Shock Instability in Riemann-Solver-Based Shock-Capturing Scheme. <i>AIAA Journal</i> , 2018, 56, 3636-3651.	2.6	8
36	Network Medicine for Alzheimer's Disease and Traditional Chinese Medicine. <i>Molecules</i> , 2018, 23, 1143.	3.8	48

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37	Functional role of BTB and CNC Homology 1 gene in pancreatic cancer and its association with survival in patients treated with gemcitabine. <i>Theranostics</i> , 2018, 8, 3366-3379.	10.0	19
38	Integrative analysis of gene expression profiles reveals specific signaling pathways associated with pancreatic duct adenocarcinoma. <i>Cancer Communications</i> , 2018, 38, 1-12.	9.2	14
39	Mechanism-Derived Shock Instability Elimination for Riemann-Solver-Based Shock-Capturing Scheme. <i>AIAA Journal</i> , 2018, 56, 3652-3666.	2.6	2
40	Solute Carrier Family 39 Member 6 Gene Promotes Aggressiveness of Esophageal Carcinoma Cells by Increasing Intracellular Levels of Zinc, Activating Phosphatidylinositol 3-Kinase Signaling, and Up-regulating Genes That Regulate Metastasis. <i>Gastroenterology</i> , 2017, 152, 1985-1997.e12.	1.3	40
41	General Procedure for Riemann Solver to Eliminate Carbuncle and Shock Instability. <i>AIAA Journal</i> , 2017, 55, 2002-2015.	2.6	18
42	Petrogenetic differences between the Middle-Late Jurassic Cu-Pb-Zn-bearing and W-bearing granites in the Nanling Range, South China: A case study of the Tongshanling and Weijia deposits in southern Hunan Province. <i>Science China Earth Sciences</i> , 2017, 60, 1220-1236.	5.2	27
43	BRCA1-Associated Protein Increases Invasiveness of Esophageal Squamous Cell Carcinoma. <i>Gastroenterology</i> , 2017, 153, 1304-1319.e5.	1.3	23
44	Classification of MRI and psychological testing data based on support vector machine. <i>International Journal of Clinical and Experimental Medicine</i> , 2017, 10, 16004-16026.	1.3	1
45	Penhyclidine Hydrochloride Pretreatment Ameliorates Rhabdomyolysis-Induced AKI by Activating the Nrf2/HO-1 Pathway and Alleviating Endoplasmic Reticulum Stress in Rats. <i>PLoS ONE</i> , 2016, 11, e0151158.	2.5	22
46	Pancreatic cancer risk variant in LINC00673 creates a miR-1231 binding site and interferes with PTPN11 degradation. <i>Nature Genetics</i> , 2016, 48, 747-757.	21.4	237
47	Relatively Small Contribution of Methylation and Genomic Copy Number Aberration to the Aberrant Expression of Inflammation-Related Genes in HBV-Related Hepatocellular Carcinoma. <i>PLoS ONE</i> , 2015, 10, e0126836.	2.5	1
48	The Sterile 20-Like Kinase Tao Controls Tissue Homeostasis by Regulating the Hippo Pathway in <i>Drosophila</i> Adult Midgut. <i>Journal of Genetics and Genomics</i> , 2014, 41, 429-438.	3.9	16
49	Debra-Mediated Ci Degradation Controls Tissue Homeostasis in <i>Drosophila</i> Adult Midgut. <i>Stem Cell Reports</i> , 2014, 2, 135-144.	4.8	25
50	Enhancement of Bone Formation by Bone Morphogenetic Protein-2 Released from Poly (L-lactic-co-glycolic acid) Microsphere. <i>British Biotechnology Journal</i> , 2014, 4, 1223-1237.	0.4	0
51	Age-adjusted nonparametric detection of differential DNA methylation with case-control designs. <i>BMC Bioinformatics</i> , 2013, 14, 86.	2.6	18
52	Detecting differentially methylated loci for Illumina Array methylation data based on human ovarian cancer data. <i>BMC Medical Genomics</i> , 2013, 6, S9.	1.5	13
53	Assessment of gene order computing methods for Alzheimer's disease. <i>BMC Medical Genomics</i> , 2013, 6, S8.	1.5	6
54	Novel 5' Untranslated Region Directed Blockers of Iron-Regulatory Protein-1 Dependent Amyloid Precursor Protein Translation: Implications for Down Syndrome and Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e65978.	2.5	44

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55	N-Methyl D-Aspartate (NMDA) Receptor Antagonists and Memantine Treatment for Alzheimer's Disease, Vascular Dementia and Parkinson's Disease. <i>Current Alzheimer Research</i> , 2012, 9, 746-758.	1.4	277
56	Identification of Putative Molecular Imaging Probes for BACE-1 by Accounting for Protein Flexibility in Virtual Screening. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 351-359.	2.6	6
57	Gene order computation using Alzheimer's DNA microarray gene expression data and the ant colony optimisation algorithm. <i>International Journal of Data Mining and Bioinformatics</i> , 2012, 6, 617.	0.1	4
58	Sequence-Specific Biosensors Report Drug-Induced Changes in Epigenetic Silencing in Living Cells. <i>DNA and Cell Biology</i> , 2012, 31, S-2-S-10.	1.9	15
59	Independent Component Analysis-Based Classification of Alzheimer's Disease MRI Data. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 775-783.	2.6	67
60	The alpha-synuclein 5' untranslated region targeted translation blockers: anti-alpha synuclein efficacy of cardiac glycosides and Posiphen. <i>Journal of Neural Transmission</i> , 2011, 118, 493-507.	2.8	56
61	Gene selection and classification for cancer microarray data based on machine learning and similarity measures. <i>BMC Genomics</i> , 2011, 12, S1.	2.8	81
62	A gene selection method for GeneChip array data with small sample sizes. <i>BMC Genomics</i> , 2011, 12, S7.	2.8	6
63	Automatic classification of Alzheimer's patients and age-matched healthy subjects using independent component analysis. , 2011, , .		0
64	Identifying Differentially Expressed Genes based on probe level data for GeneChip arrays. <i>International Journal of Computational Biology and Drug Design</i> , 2010, 3, 237.	0.3	5
65	An analysis of the Circumferential Grooves Casing Treatment for transonic compressor flow. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 353-359.	5.1	16
66	Vanadium, aluminum, magnesium and manganese are not elevated in hair samples in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2010, 11, 492-493.	2.1	5
67	Selective Translational Control of the Alzheimer Amyloid Precursor Protein Transcript by Iron Regulatory Protein-1. <i>Journal of Biological Chemistry</i> , 2010, 285, 31217-31232.	3.4	144
68	Novel drug targets based on metallobiology of Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1177-1197.	3.4	49
69	A Special Local Clustering Algorithm for Identifying the Genes Associated With Alzheimer's Disease. <i>IEEE Transactions on Nanobioscience</i> , 2010, 9, 44-50.	3.3	16
70	A Transgenic Mouse Model to Study Glucose Transporter 4myc Regulation in Skeletal Muscle. <i>Endocrinology</i> , 2009, 150, 1935-1940.	2.8	39
71	Physiological and Pathological Role of Alpha-synuclein in Parkinson's Disease Through Iron Mediated Oxidative Stress; The Role of a Putative Iron-responsive Element. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1226-1260.	4.1	75
72	Feature Selection and Classification of MAQC-II Breast Cancer and Multiple Myeloma Microarray Gene Expression Data. <i>PLoS ONE</i> , 2009, 4, e8250.	2.5	45

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73	Independent component analysis of Alzheimer's DNA microarray gene expression data. <i>Molecular Neurodegeneration</i> , 2009, 4, 5.	10.8	72
74	A direct synthesis of $\hat{I}^2$ -carbolines via a three-step one-pot domino approach with a bifunctional Pd/C/K-10 catalyst. <i>Tetrahedron Letters</i> , 2009, 50, 1791-1794.	1.4	64
75	Hydrothermal syntheses and characterizations of two eight-connected networks in a mixed ligand system. <i>Journal of Molecular Structure</i> , 2009, 918, 183-187.	3.6	7
76	Properties of some statistics for AR-ARCH model with application to technical analysis. <i>Journal of Computational and Applied Mathematics</i> , 2009, 225, 522-530.	2.0	3
77	Amyloid precursor protein and alpha synuclein translation, implications for iron and inflammation in neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 615-628.	2.4	87
78	Microwave-Assisted Tandem Processes for the Synthesis of N-Heterocycles. <i>Australian Journal of Chemistry</i> , 2009, 62, 208.	0.9	19
79	Corrigendum to: Microwave-Assisted Tandem Processes for the Synthesis of N-Heterocycles. <i>Australian Journal of Chemistry</i> , 2009, 62, 392.	0.9	3
80	Characterization of Copper Interactions with Alzheimer Amyloid $\hat{I}^2$ Peptides. <i>Journal of Neurochemistry</i> , 2008, 75, 1219-1233.	3.9	566
81	Supervised learning-based tagSNP selection for genome-wide disease classifications. <i>BMC Genomics</i> , 2008, 9, S6.	2.8	11
82	Iron and the translation of the amyloid precursor protein (APP) and ferritin mRNAs: riboregulation against neural oxidative damage in Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2008, 36, 1282-1287.	3.4	123
83	Differential cytotoxicity of metal oxide nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2008, 3, 321-328.	2.4	29
84	CFD Investigation on the Circumferential Grooves Casing Treatment of Transonic Compressor. , 2008, , .		20
85	A review of independent component analysis application to microarray gene expression data. <i>BioTechniques</i> , 2008, 45, 501-520.	1.8	92
86	Flavanols, mild cognitive impairment, and Alzheimer's dementia. <i>International Journal of Clinical and Experimental Medicine</i> , 2008, 1, 181-91.	1.3	25
87	IEEE 7<sup>th</sup> BIBE Invited Keynote Lecture: Metallobiochemistry of Alzheimer's Disease and Its Theranostic Agent Development. , 2007, , .		0
88	High content image analysis for human H4 neuroglioma cells exposed to CuO nanoparticles. <i>BMC Biotechnology</i> , 2007, 7, 66.	3.3	43
89	CFD Investigation on Stall Mechanisms and Casing Treatment of a Transonic Compressor. , 2006, , .		21
90	Insulin-dependent Interactions of Proteins with GLUT4 Revealed through Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)*. <i>Journal of Proteome Research</i> , 2006, 5, 64-75.	3.7	106

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91	Metal exposure and Alzheimer's pathogenesis. <i>Journal of Structural Biology</i> , 2006, 155, 45-51.	2.8	121
92	Black-Scholes model and Bollinger bands. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 565-571.	2.6	15
93	RNA Therapeutics Directed to the Non Coding Regions of APP mRNA, In Vivo Anti-Amyloid Efficacy of Paroxetine, Erythromycin, and N-acetyl cysteine. <i>Current Alzheimer Research</i> , 2006, 3, 221-227.	1.4	48
94	Pilot Study of the Reducing Effect on Amyloidosis In Vivo by Three FDA Pre-Approved Drugs Via the Alzheimers APP 5' Untranslated Region. <i>Current Alzheimer Research</i> , 2005, 2, 249-254.	1.4	38
95	Preliminary studies of a novel bifunctional metal chelator targeting Alzheimer's amyloidogenesis. <i>Experimental Gerontology</i> , 2004, 39, 1641-1649.	2.8	131
96	Redox-Active Metals, Oxidative Stress, and Alzheimer's Disease Pathology. <i>Annals of the New York Academy of Sciences</i> , 2004, 1012, 153-163.	3.8	381
97	Iron inhibits neurotoxicity induced by trace copper and biological reductants. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 269-280.	2.6	42
98	Trace metal contamination initiates the apparent auto-aggregation, amyloidosis, and oligomerization of Alzheimer's A $\beta$ peptides. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 954-960.	2.6	218
99	Copper Mediates Dityrosine Cross-Linking of Alzheimer's Amyloid- $\beta$ . <i>Biochemistry</i> , 2004, 43, 560-568.	2.5	362
100	Peroxidase Activity of Cyclooxygenase-2 (COX-2) Cross-links $\beta$ -Amyloid (A $\beta$ ) and Generates A $\beta$ -COX-2 Hetero-oligomers That Are Increased in Alzheimer's Disease. <i>Journal of Biological Chemistry</i> , 2004, 279, 14673-14678.	3.4	44
101	Cytosolic $\beta$ -amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. <i>Lancet, The</i> , 2003, 361, 1258-1265.	13.7	323
102	Importance of Copper and Zinc in Alzheimer's Disease and the Biology of Amyloid- $\beta$ Protein and Amyloid- $\beta$ Protein Precursor. , 2003, , 245-261.		0
103	Metalloenzyme-like Activity of Alzheimer's Disease $\beta$ -Amyloid. <i>Journal of Biological Chemistry</i> , 2002, 277, 40302-40308.	3.4	536
104	An Iron-responsive Element Type II in the 5' Untranslated Region of the Alzheimer's Amyloid Precursor Protein Transcript. <i>Journal of Biological Chemistry</i> , 2002, 277, 45518-45528.	3.4	474
105	Alzheimer's disease drug discovery targeted to the APP mRNA 5' Untranslated region. <i>Journal of Molecular Neuroscience</i> , 2002, 19, 77-82.	2.3	58
106	Treatment with a Copper-Zinc Chelator Markedly and Rapidly Inhibits $\beta$ -Amyloid Accumulation in Alzheimer's Disease Transgenic Mice. <i>Neuron</i> , 2001, 30, 665-676.	8.1	1,419
107	Homocysteine potentiates copper- and amyloid beta peptide-mediated toxicity in primary neuronal cultures: possible risk factors in the Alzheimer's type neurodegenerative pathways. <i>Journal of Neurochemistry</i> , 2001, 76, 1509-1520.	3.9	228
108	Alzheimer's Disease, $\beta$ -Amyloid Protein and Zinc. <i>Journal of Nutrition</i> , 2000, 130, 1488S-1492S.	2.9	102

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109	Could A $\beta$ and A $\beta$ PP be Antioxidants?. Journal of Alzheimer's Disease, 2000, 2, 83-84.	2.6	9
110	Evidence that the A $\beta$ -Amyloid Plaques of Alzheimer's Disease Represent the Redox-silencing and Entombment of A $\beta$ by Zinc. Journal of Biological Chemistry, 2000, 275, 19439-19442.	3.4	366
111	Metal Chelation as a Potential Therapy for Alzheimer's Disease. Annals of the New York Academy of Sciences, 2000, 920, 292-304.	3.8	178
112	Aqueous Dissolution of Alzheimer's Disease A $\beta$ Amyloid Deposits by Biometal Depletion. Journal of Biological Chemistry, 1999, 274, 23223-23228.	3.4	454
113	The A $\beta$ Peptide of Alzheimer's Disease Directly Produces Hydrogen Peroxide through Metal Ion Reduction. Biochemistry, 1999, 38, 7609-7616.	2.5	1,098
114	Cu(II) Potentiation of Alzheimer A $\beta$ Neurotoxicity. Journal of Biological Chemistry, 1999, 274, 37111-37116.	3.4	688
115	Differential Effects of Apolipoprotein E Isoforms on Metal-Induced Aggregation of A $\beta$ Using Physiological Concentrations. Biochemistry, 1999, 38, 4595-4603.	2.5	125
116	Dramatic Aggregation of Alzheimer A $\beta$ by Cu(II) Is Induced by Conditions Representing Physiological Acidosis. Journal of Biological Chemistry, 1998, 273, 12817-12826.	3.4	935
117	Zinc-induced Alzheimer's A $\beta$ 1-40 Aggregation Is Mediated by Conformational Factors. Journal of Biological Chemistry, 1997, 272, 26464-26470.	3.4	287
118	Emissions of trace elements from motor vehicles: Potential marker elements and source composition profile. Atmospheric Environment, 1994, 28, 1385-1391.	4.1	228
119	Neuroinflammatory Responses in the Alzheimer's Disease Brain Promote the Oxidative Post-translational Modification of Amyloid Deposits. , 0, , 341-361.		14
120	Contributing Factors of Neurodegeneration in Alzheimer's Disease. , 0, , 69-84.		0