

# Yang Jiang

## List of Publications by Year in descending order

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108  
papers

2,797  
citations

201385

27  
h-index

214527

47  
g-index

112  
all docs

112  
docs citations

112  
times ranked

3665  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of EEG-based brain-computer interface paradigms. <i>Journal of Neural Engineering</i> , 2019, 16, 011001.	1.8	512
2	Prefrontal cortex and drug abuse vulnerability: Translation to prevention and treatment interventions. <i>Brain Research Reviews</i> , 2011, 65, 124-149.	9.1	144
3	Spectral and complexity analysis of scalp EEG characteristics for mild cognitive impairment and early Alzheimer's disease. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 114, 153-163.	2.6	120
4	Individual differences in cognition, affect, and performance: Behavioral, neuroimaging, and molecular genetic approaches. <i>NeuroImage</i> , 2012, 59, 70-82.	2.1	118
5	Beyond valence and magnitude: A flexible evaluative coding system in the brain. <i>Neuropsychologia</i> , 2011, 49, 3891-3897.	0.7	84
6	Force Field Benchmark of Amino Acids: I. Hydration and Diffusion in Different Water Models. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 1037-1052.	2.5	70
7	Neural correlates of cross-domain affective priming. <i>Brain Research</i> , 2010, 1329, 142-151.	1.1	66
8	Monoamine oxidase A (MAOA) genotype predicts greater aggression through impulsive reactivity to negative affect. <i>Behavioural Brain Research</i> , 2015, 283, 97-101.	1.2	62
9	Sugihara causality analysis of scalp EEG for detection of early Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2015, 7, 258-265.	1.4	58
10	Impulsive personality dimensions are associated with altered behavioral performance and neural responses in the monetary incentive delay task. <i>Neuropsychologia</i> , 2017, 103, 59-68.	0.7	58
11	The shopping brain: Math anxiety modulates brain responses to buying decisions. <i>Biological Psychology</i> , 2012, 89, 201-213.	1.1	57
12	An electrophysiological index of changes in risk decision-making strategies. <i>Neuropsychologia</i> , 2013, 51, 1397-1407.	0.7	54
13	Electrophysiological evidence for the effects of unitization on associative recognition memory in older adults. <i>Neurobiology of Learning and Memory</i> , 2015, 121, 59-71.	1.0	44
14	Resting EEG Discrimination of Early Stage Alzheimer's Disease from Normal Aging Using Inter-Channel Coherence Network Graphs. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1233-1242.	1.3	41
15	Rational Design of Methodology-Independent Metal Parameters Using a Nonbonded Dummy Model. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 3250-3260.	2.3	40
16	Free-Energy Calculations of Ionic Hydration Consistent with the Experimental Hydration Free Energy of the Proton. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2705-2712.	2.1	40
17	Tuning Up the Old Brain with New Tricks: Attention Training via Neurofeedback. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 52.	1.7	40
18	Electrostatic Interactions Govern Extreme Nascent Protein Ejection Times from Ribosomes and Can Delay Ribosome Recycling. <i>Journal of the American Chemical Society</i> , 2020, 142, 6103-6110.	6.6	39

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19	The effects of unitization on the contribution of familiarity and recollection processes to associative recognition memory: Evidence from event-related potentials. <i>International Journal of Psychophysiology</i> , 2015, 95, 355-362.	0.5	37
20	The interaction of arousal and valence in affective priming: Behavioral and electrophysiological evidence. <i>Brain Research</i> , 2012, 1474, 60-72.	1.1	35
21	Biophysical and molecular docking approaches for the investigation of biomolecular interactions between amphotericin B and bovine serum albumin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 170, 6-15.	1.7	34
22	Human experience seeking correlates with hippocampus volume: Convergent evidence from manual tracing and voxel-based morphometry. <i>Neuropsychologia</i> , 2007, 45, 2874-2881.	0.7	33
23	Looking for reward in all the wrong places: dopamine receptor gene polymorphisms indirectly affect aggression through sensation-seeking. <i>Social Neuroscience</i> , 2016, 11, 487-494.	0.7	33
24	Force Field Benchmark of Amino Acids. 2. Partition Coefficients between Water and Organic Solvents. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 1669-1681.	2.5	33
25	Age effects on brain activity during repetition priming of targets and distracters. <i>Neuropsychologia</i> , 2007, 45, 1223-1231.	0.7	32
26	Discrimination of Mild Cognitive Impairment and Alzheimer's Disease Using Transfer Entropy Measures of Scalp EEG. <i>Journal of Healthcare Engineering</i> , 2015, 6, 55-70.	1.1	32
27	Algebraic Series-Parallel-Based Switched-Capacitor DC-DC Boost Converter With Wide Input Voltage Range and Enhanced Power Density. <i>IEEE Journal of Solid-State Circuits</i> , 2019, 54, 3118-3134.	3.5	32
28	Effects of Alcohol Consumption on Cognition and Regional Brain Volumes Among Older Adults. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2015, 30, 364-374.	0.9	29
29	Linking brain electrical signals elicited by current outcomes with future risk decision-making. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 84.	1.0	28
30	Alzheimer's Biomarkers are Correlated with Brain Connectivity in Older Adults Differentially during Resting and Task States. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 15.	1.7	28
31	Woulda, coulda, shoulda: The evaluation and the impact of the alternative outcome. <i>Psychophysiology</i> , 2011, 48, 1354-1360.	1.2	27
32	Refined Dummy Atom Model of Mg <sup>2+</sup> by Simple Parameter Screening Strategy with Revised Experimental Solvation Free Energy. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2575-2586.	2.5	26
33	A cognitive electrophysiological signature differentiates amnesic mild cognitive impairment from normal aging. <i>Alzheimer's Research and Therapy</i> , 2017, 9, 3.	3.0	26
34	Brain potentials distinguish new and studied objects during working memory. <i>Human Brain Mapping</i> , 2008, 29, 441-452.	1.9	25
35	Molecular mechanism of tobramycin with human serum albumin for probing binding interactions: multi-spectroscopic and computational approaches. <i>New Journal of Chemistry</i> , 2017, 41, 8203-8213.	1.4	24
36	Algorithmic Voltage-Feed-In Topology for Fully Integrated Fine-Grained Rational Buck-Boost Switched-Capacitor DC-DC Converters. <i>IEEE Journal of Solid-State Circuits</i> , 2018, 53, 3455-3469.	3.5	24

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37	Universal protein misfolding intermediates can bypass the proteostasis network and remain soluble and less functional. <i>Nature Communications</i> , 2022, 13, .	5.8	24
38	Neurobiological perspectives on the nature of visual and verbal processes. <i>Journal of Consumer Psychology</i> , 2008, 18, 264-269.	3.2	23
39	Binding 3-D Object Perception in the Human Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 553-562.	1.1	23
40	Preliminary findings on the relation between the personality trait of stress reaction and the central neural control of human vocalization. <i>International Journal of Speech-Language Pathology</i> , 2012, 14, 377-389.	0.6	23
41	27.3 A Piezoelectric Energy-Harvesting Interface Using Split-Phase Flipping-Capacitor Rectifier and Capacitor Reuse Multiple-VCR SC DC-DC Achieving 9.3Å— Energy-Extraction Improvement. , 2019, , .		23
42	Does emotional memory enhancement assist the memory-impaired?. <i>Frontiers in Aging Neuroscience</i> , 2012, 4, 2.	1.7	22
43	Lid Closure Mechanism of <i>Yarrowia lipolytica</i> Lipase in Methanol Investigated by Molecular Dynamics Simulation. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 2033-2041.	2.5	22
44	Comparative Assessment of Computational Methods for Free Energy Calculations of Ionic Hydration. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2763-2775.	2.5	20
45	Sensation seeking predicts brain responses in the old“new task: Converging multimodal neuroimaging evidence. <i>International Journal of Psychophysiology</i> , 2012, 84, 260-269.	0.5	17
46	The Effect of Drag“and“Drop Item Features on Test“Taker Performance and Response Strategies. <i>Educational Measurement: Issues and Practice</i> , 2020, 39, 96-106.	0.8	17
47	Theoretical and Experimental Studies on Activity of <i>Yarrowia lipolytica</i> Lipase in Methanol/Water Mixtures. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1976-1983.	1.2	16
48	Multimodal Imaging Evidence for Axonal and Myelin Deterioration in Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2012, 31, S19-S31.	1.2	15
49	Is emotional memory enhancement preserved in amnesic mild cognitive impairment? Evidence from separating recollection and familiarity.. <i>Neuropsychology</i> , 2013, 27, 691-701.	1.0	15
50	Insights from spectroscopic and in-silico techniques for the exploitation of biomolecular interactions between Human serum albumin and Paromomycin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 242-253.	2.5	15
51	A 4T/Cell Amplifier-Chain-Based XOR PUF With Strong Machine Learning Attack Resilience. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 366-377.	3.5	15
52	Note-taking and science inquiry in an open-ended learning environment. <i>Contemporary Educational Psychology</i> , 2018, 55, 12-29.	1.6	14
53	A 4-“m Diameter SPAD Using Less-Doped N-Well Guard Ring in Baseline 65-nm CMOS. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 2223-2225.	1.6	14
54	Enhancement of methanol resistance of <i>Yarrowia lipolytica</i> lipase 2 using Î²-cyclodextrin as an additive: Insights from experiments and molecular dynamics simulation. <i>Enzyme and Microbial Technology</i> , 2017, 96, 157-162.	1.6	13

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55	Rational Design of Nonbonded Point Charge Models for Divalent Metal Cations with Lennard-Jones 12-6 Potential. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4031-4044.	2.5	13
56	Modeling Coordination-Directed Self-Assembly of M2L4 Nanocapsule Featuring Competitive Guest Encapsulation. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2082-2086.	2.1	12
57	Brain connectivity evaluation during selective attention using EEG-based brain-computer interface. <i>Brain-Computer Interfaces</i> , 2019, 6, 25-35.	0.9	12
58	Biophysical investigation of interactions between sorbic acid and human serum albumin through spectroscopic and computational approaches. <i>New Journal of Chemistry</i> , 2021, 45, 7682-7693.	1.4	11
59	Deficits in retrospective and prospective components underlying prospective memory tasks in amnesic mild cognitive impairment. <i>Behavioral and Brain Functions</i> , 2012, 8, 39.	1.4	10
60	A water-dependent kinetics guide for complex lipase-mediated synthesis of biolubricants in a water activity control reactor. <i>Catalysis Science and Technology</i> , 2015, 5, 5120-5128.	2.1	10
61	Altered Brain Activities Associated with Neural Repetition Effects in Mild Cognitive Impairment Patients. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 693-704.	1.2	10
62	Decoding Attentional State to Faces and Scenes Using EEG Brainwaves. <i>Complexity</i> , 2019, 2019, 1-10.	0.9	10
63	Rational Design of Nonbonded Point Charge Models for Monovalent Ions with Lennard-Jones 12-6 Potential. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13502-13518.	1.2	10
64	Neural Correlates of Age-related Reduction in Visual Motion Priming. <i>Aging, Neuropsychology, and Cognition</i> , 2009, 16, 164-182.	0.7	9
65	Repeated retrieval during working memory is sensitive to amnesic mild cognitive impairment. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2013, 35, 946-959.	0.8	9
66	Influence of neurobehavioral incentive valence and magnitude on alcohol drinking behavior. <i>NeuroImage</i> , 2015, 104, 373-385.	2.1	9
67	Using process data to understand problem-solving strategies and processes for drag-and-drop items in a large-scale mathematics assessment. <i>Large-Scale Assessments in Education</i> , 2021, 9, .	0.8	9
68	Task-related differences in temporo-parietal cortical activation during human phonatory behaviors. <i>Neuroscience Letters</i> , 2010, 484, 51-55.	1.0	8
69	A 22.4 &#x03BC;W 80dB SNDR &#x03A3;&#x0394; modulator with passive analog adder and SAR quantizer for EMG application. , 2012, , .		8
70	Trait Anxiety and Economic Risk Avoidance Are Not Necessarily Associated: Evidence from the Framing Effect. <i>Frontiers in Psychology</i> , 2017, 8, 92.	1.1	8
71	A 0.22-to-2.4V-input fine-grained fully integrated rational buck-boost SC DC-DC converter using algorithmic voltage-feed-in (AVFI) topology achieving 84.1% peak efficiency at 13.2mW/mm <sup>2</sup> . , 2018, , .		7
72	Fully Integrated High Voltage Pulse Driver Using Switched-Capacitor Voltage Multiplier and Synchronous Charge Compensation in 65-nm CMOS. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 1768-1772.	2.2	7

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73	Reprogramming of sugar transport pathways in <i>Escherichia coli</i> using a permeabilized SecY protein translocation channel. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1738-1746.	1.7	7
74	Miniaturized Energy Harvesting Systems Using Switched-Capacitor DC-DC Converters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 2629-2634.	2.2	7
75	Hemispheric Asymmetries in Tracking Occluded Moving Targets with the Mind's Eye: Simultaneous Event-Related fMRI and Eye-Movement Recording. <i>Brain Imaging and Behavior</i> , 2008, 2, 300-308.	1.1	6
76	The Visual Priming of Motion-Defined 3D Objects. <i>PLoS ONE</i> , 2015, 10, e0144730.	1.1	6
77	Role of Host-Guest Charge Transfer in Cyclodextrin Complexation: A Computational Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17745-17756.	1.5	5
78	The driving force for co-translational protein folding is weaker in the ribosome vestibule due to greater water ordering. <i>Chemical Science</i> , 2021, 12, 11851-11857.	3.7	5
79	Developing and Assessing Nonbonded Dummy Models of Magnesium Ion with Different Hydration Free Energy References. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2981-2997.	2.5	5
80	Rational Design of Nonbonded Point Charge Models for Highly Charged Metal Cations with Lennard-Jones 12-6 Potential. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4613-4629.	2.5	5
81	Functional human GRIN2B promoter polymorphism and variation of mental processing speed in older adults. <i>Aging</i> , 2017, 9, 1293-1306.	1.4	5
82	How Immersive Virtual Environments Foster Self-Regulated Learning. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2018, , 28-54.	0.2	5
83	Arithmetic Progression Switched-Capacitor DC-DC Converter Topology With Soft VCR Transitions and Quasi-Symmetric Two-Phase Charge Delivery. <i>IEEE Journal of Solid-State Circuits</i> , 2022, 57, 2919-2933.	3.5	5
84	Neural basis for successful encoding and retrieval of prospective memory. <i>Science China Life Sciences</i> , 2011, 54, 580-587.	2.3	4
85	A passive Excess-Loop-Delay compensation technique for Gm-C based continuous-time &#x03A3;&#x0394; modulators. , 2011, , .		4
86	Mechanical Forces Have a Range of Effects on the Rate of Ribosome Catalyzed Peptidyl Transfer Depending on Direction. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7128-7136.	1.2	4
87	An event-related potential study of working memory in children. <i>Science Bulletin</i> , 2006, 51, 1467-1475.	4.3	3
88	Brain potentials and repetition effects during encoding and retrieval of words. <i>NeuroReport</i> , 2008, 19, 1365-1368.	0.6	3
89	A dual-VCO-based quantizer with highly improved linearity and enlarged dynamic range. , 2011, , .		3
90	A High-Efficiency Dual-Antenna RF Energy Harvesting System Using Full-Energy Extraction With Improved Input Power Response. <i>IEEE Open Journal of Circuits and Systems</i> , 2021, 2, 436-444.	1.4	3

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91	A Fixed-Pulse Shape Feedback Technique with reduced clock-jitter sensitivity in Continuous-Time sigma-delta modulators. , 2010, , .		2
92	A robust NTF zero optimization technique for both low and high OSRs sigma-delta modulators. , 2012, , .		2
93	Comparison of functional network integrity in TBI and orthopedic controlpatientsusing graph-theoretical analysis. , 2013, 2013, 1366-9.		2
94	EEG multiscale entropy dynamics in mild cognitive impairment and early Alzheimer's disease. , 2014, , .		2
95	What you see depends on what you saw, and what else you saw: The interactions between motion priming and object priming. Vision Research, 2014, 105, 77-85.	0.7	2
96	Using Sankey diagrams to visualize drag and drop action sequences in technology-enhanced items. Behavior Research Methods, 2022, 54, 117-132.	2.3	2
97	A 10MHz BW 78dB DR CT &#x03A3;&#x0394; modulator with novel switched high linearity VCO-based quantizer. , 2012, , .		1
98	A continuous-time VCO-assisted VCO-based &#x03A3;&#x0394; modulator with 76.6dB SNDR and 10MHz BW. , 2013, , .		1
99	A reduced jitter-sensitivity clock generation technique for continuous-time &#x03A3;&#x0394; modulators. , 2010, , .		0
100	Clock-jitter sensitivity reduction in CT &#x03A3;&#x0394; modulators using voltage-crossing detection DAC. , 2011, , .		0
101	An ELD tracking compensation technique for active-RC CT &#x03A3;&#x0394; modulators. , 2012, , .		0
102	A DT 0â€“2 MASH Î£Î” modulator with VCO-based quantizer for enhanced linearity. , 2012, , .		0
103	Excess-loop-delay compensation technique for CT Î£ modulator with hybrid activeâ€“passive loop-filters. Analog Integrated Circuits and Signal Processing, 2013, 76, 35-46.	0.9	0
104	Resting State EEG Multiscale Entropy Dynamics in Mild Cognitive Impairment and Early Alzheimerâ€™s Disease. , 2014, , .		0
105	A wide range high efficiency fully integrated switched-capacitor DC-DC converter with fixed output spectrum modulation. , 2017, , .		0
106	Electrostatic Interactions between Nascent Chains and the Ribosome Exit Tunnel Generate Forces that Modify Translation Rates. Biophysical Journal, 2021, 120, 217a-218a.	0.2	0
107	The Molecular Origins of the Influence of Translation-Elongation Kinetics on the Specific Activity of Enzymes. Biophysical Journal, 2021, 120, 197a.	0.2	0
108	Across the E. Coli Proteome it is Common for Proteins to Become Kinetically Trapped in Soluble, Near-Native, Non-Functional Conformations that Bypass the Proteostasis Network. Biophysical Journal, 2021, 120, 117a-118a.	0.2	0