

# 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	Using Sankey diagrams to visualize drag and drop action sequences in technology-enhanced items. <i>Behavior Research Methods</i> , 2022, 54, 117-132.	2.3	2
2	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
3	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
4	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
5	Universal protein misfolding intermediates can bypass the proteostasis network and remain soluble and less functional. <i>Nature Communications</i> , 2022, 13, .	5.8	24
6	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
7	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
8	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
9	Electrostatic Interactions between Nascent Chains and the Ribosome Exit Tunnel Generate Forces that Modify Translation Rates. <i>Biophysical Journal</i> , 2021, 120, 217a-218a.	0.2	0
10	The Molecular Origins of the Influence of Translation-Elongation Kinetics on the Specific Activity of Enzymes. <i>Biophysical Journal</i> , 2021, 120, 197a.	0.2	0
11	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
12	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. <i>Biophysical Journal</i> , 2021, 120, 117a-118a.	0.2	0
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	A 4- $\mu\text{m}$ 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
22	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
23	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
24	Brain connectivity evaluation during selective attention using EEG-based brain-computer interface. <i>Brain-Computer Interfaces</i> , 2019, 6, 25-35.	0.9	12
25	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
26	27.3 A Piezoelectric Energy-Harvesting Interface Using Split-Phase Flipping-Capacitor Rectifier and Capacitor Reuse Multiple-VCR SC DC-DC Achieving 9.3 $\mu\text{W}$ Energy-Extraction Improvement. , 2019, , .		23
27	Decoding Attentional State to Faces and Scenes Using EEG Brainwaves. <i>Complexity</i> , 2019, 2019, 1-10.	0.9	10
28	A comprehensive review of EEG-based brain-computer interface paradigms. <i>Journal of Neural Engineering</i> , 2019, 16, 011001.	1.8	512
29	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
30	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
31	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
32	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
33	Note-taking and science inquiry in an open-ended learning environment. <i>Contemporary Educational Psychology</i> , 2018, 55, 12-29.	1.6	14
34	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
35	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
36	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

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37	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
38	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
39	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
40	Enhancement of methanol resistance of <i>Yarrowia lipolytica</i> lipase 2 using $\beta$ -cyclodextrin as an additive: Insights from experiments and molecular dynamics simulation. <i>Enzyme and Microbial Technology</i> , 2017, 96, 157-162.	1.6	13
41	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
42	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
43	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
44	A wide range high efficiency fully integrated switched-capacitor DC-DC converter with fixed output spectrum modulation. , 2017, , .		0
45	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
46	Tuning Up the Old Brain with New Tricks: Attention Training via Neurofeedback. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 52.	1.7	40
47	Functional human GRIN2B promoter polymorphism and variation of mental processing speed in older adults. <i>Aging</i> , 2017, 9, 1293-1306.	1.4	5
48	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
49	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
50	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
51	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
52	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
53	Refined Dummy Atom Model of $Mg^{2+}$ 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
54	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

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55	Sugihara causality analysis of scalp EEG for detection of early Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2015, 7, 258-265.	1.4	58
56	Influence of neurobehavioral incentive valence and magnitude on alcohol drinking behavior. <i>NeuroImage</i> , 2015, 104, 373-385.	2.1	9
57	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
58	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
59	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
60	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
61	The Visual Priming of Motion-Defined 3D Objects. <i>PLoS ONE</i> , 2015, 10, e0144730.	1.1	6
62	Resting State EEG Multiscale Entropy Dynamics in Mild Cognitive Impairment and Early Alzheimer's Disease. , 2014, , .		0
63	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
64	EEG multiscale entropy dynamics in mild cognitive impairment and early Alzheimer's disease. , 2014, , .		2
65	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
66	What you see depends on what you saw, and what else you saw: The interactions between motion priming and object priming. <i>Vision Research</i> , 2014, 105, 77-85.	0.7	2
67	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
68	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
69	Excess-loop-delay compensation technique for CT $\hat{\tau}$ modulator with hybrid active-passive loop-filters. <i>Analog Integrated Circuits and Signal Processing</i> , 2013, 76, 35-46.	0.9	0
70	A continuous-time VCO-assisted VCO-based $\hat{\tau}$ modulator with 76.6dB SNDR and 10MHz BW. , 2013, , .		1
71	An electrophysiological index of changes in risk decision-making strategies. <i>Neuropsychologia</i> , 2013, 51, 1397-1407.	0.7	54
72	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

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73	Comparison of functional network integrity in TBI and orthopedic control patients using graph-theoretical analysis. , 2013, 2013, 1366-9.		2
74	Repeated retrieval during working memory is sensitive to amnesic mild cognitive impairment. Journal of Clinical and Experimental Neuropsychology, 2013, 35, 946-959.	0.8	9
75	Is emotional memory enhancement preserved in amnesic mild cognitive impairment? Evidence from separating recollection and familiarity.. Neuropsychology, 2013, 27, 691-701.	1.0	15
76	Preliminary findings on the relation between the personality trait of stress reaction and the central neural control of human vocalization. International Journal of Speech-Language Pathology, 2012, 14, 377-389.	0.6	23
77	An ELD tracking compensation technique for active-RC CT &#x03A3;&#x0394; modulators. , 2012, , .		0
78	Does emotional memory enhancement assist the memory-impaired?. Frontiers in Aging Neuroscience, 2012, 4, 2.	1.7	22
79	Individual differences in cognition, affect, and performance: Behavioral, neuroimaging, and molecular genetic approaches. NeuroImage, 2012, 59, 70-82.	2.1	118
80	A 10MHz BW 78dB DR CT &#x03A3;&#x0394; modulator with novel switched high linearity VCO-based quantizer. , 2012, , .		1
81	A DT 0â€“2 MASH 1” modulator with VCO-based quantizer for enhanced linearity. , 2012, , .		0
82	Sensation seeking predicts brain responses in the oldâ€“new task: Converging multimodal neuroimaging evidence. International Journal of Psychophysiology, 2012, 84, 260-269.	0.5	17
83	The shopping brain: Math anxiety modulates brain responses to buying decisions. Biological Psychology, 2012, 89, 201-213.	1.1	57
84	The interaction of arousal and valence in affective priming: Behavioral and electrophysiological evidence. Brain Research, 2012, 1474, 60-72.	1.1	35
85	A 22.4 &#x03BC;W 80dB SNDR &#x03A3;&#x0394; modulator with passive analog adder and SAR quantizer for EMC application. , 2012, , .		8
86	A robust NTF zero optimization technique for both low and high OSRs sigma-delta modulators. , 2012, , .		2
87	Deficits in retrospective and prospective components underlying prospective memory tasks in amnesic mild cognitive impairment. Behavioral and Brain Functions, 2012, 8, 39.	1.4	10
88	Multimodal Imaging Evidence for Axonal and Myelin Deterioration in Amnesic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2012, 31, S19-S31.	1.2	15
89	Woulda, coulda, shoulda: The evaluation and the impact of the alternative outcome. Psychophysiology, 2011, 48, 1354-1360.	1.2	27
90	Beyond valence and magnitude: A flexible evaluative coding system in the brain. Neuropsychologia, 2011, 49, 3891-3897.	0.7	84

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91	Prefrontal cortex and drug abuse vulnerability: Translation to prevention and treatment interventions. <i>Brain Research Reviews</i> , 2011, 65, 124-149.	9.1	144
92	Neural basis for successful encoding and retrieval of prospective memory. <i>Science China Life Sciences</i> , 2011, 54, 580-587.	2.3	4
93	Clock-jitter sensitivity reduction in CT &#x03A3;&#x0394; modulators using voltage-crossing detection DAC. , 2011, , .		0
94	A dual-VCO-based quantizer with highly improved linearity and enlarged dynamic range. , 2011, , .		3
95	A passive Excess-Loop-Delay compensation technique for Gm-C based continuous-time &#x03A3;&#x0394; modulators. , 2011, , .		4
96	Neural correlates of cross-domain affective priming. <i>Brain Research</i> , 2010, 1329, 142-151.	1.1	66
97	Task-related differences in temporo-parietal cortical activation during human phonatory behaviors. <i>Neuroscience Letters</i> , 2010, 484, 51-55.	1.0	8
98	A Fixed-Pulse Shape Feedback Technique with reduced clock-jitter sensitivity in Continuous-Time sigma-delta modulators. , 2010, , .		2
99	A reduced jitter-sensitivity clock generation technique for continuous-time &#x03A3;&#x0394; modulators. , 2010, , .		0
100	Neural Correlates of Age-related Reduction in Visual Motion Priming. <i>Aging, Neuropsychology, and Cognition</i> , 2009, 16, 164-182.	0.7	9
101	Hemispheric Asymmetries in Tracking Occluded Moving Targets with the Mind&#x2019;s Eye: Simultaneous Event-Related fMRI and Eye-Movement Recording. <i>Brain Imaging and Behavior</i> , 2008, 2, 300-308.	1.1	6
102	Brain potentials distinguish new and studied objects during working memory. <i>Human Brain Mapping</i> , 2008, 29, 441-452.	1.9	25
103	Neurobiological perspectives on the nature of visual and verbal processes. <i>Journal of Consumer Psychology</i> , 2008, 18, 264-269.	3.2	23
104	Binding 3-D Object Perception in the Human Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 553-562.	1.1	23
105	Brain potentials and repetition effects during encoding and retrieval of words. <i>NeuroReport</i> , 2008, 19, 1365-1368.	0.6	3
106	Age effects on brain activity during repetition priming of targets and distracters. <i>Neuropsychologia</i> , 2007, 45, 1223-1231.	0.7	32
107	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
108	An event-related potential study of working memory in children. <i>Science Bulletin</i> , 2006, 51, 1467-1475.	4.3	3