Jun Zhang

List of Publications by Year
in descending order

66	1,641	516710	302126
papers	citations	16	39
		h-index	g-index
66	66	66	1436
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ventral pallidal neurons code incentive motivation: amplification by mesolimbic sensitization and amphetamine. European Journal of Neuroscience, 2005, 22, 2617-2634.	2.6	263
2	A Neural Computational Model of Incentive Salience. PLoS Computational Biology, 2009, 5, e1000437.	3.2	254
3	What do you think I think you think?: Strategic reasoning in matrix games. Cognition, 2002, 85, 1-36.	2.2	185
4	A note on ROC analysis and non-parametric estimate of sensitivity. Psychometrika, 2005, 70, 203-212.	2.1	175
5	Divergence Function, Duality, and Convex Analysis. Neural Computation, 2004, 16, 159-195.	2.2	122
6	Connectedness affects dot numerosity judgment: Implications for configural processing. Psychonomic Bulletin and Review, 2009, 16, 509-517.	2.8	94
7	Chronic medication does not affect hyperactive error responses in obsessive-compulsive disorder. Psychophysiology, 2010, 47, 913-20.	2.4	41
8	Nonparametric Information Geometry: From Divergence Function to Referential-Representational Biduality on Statistical Manifolds. Entropy, 2013, 15, 5384-5418.	2.2	38
9	Frames, Riesz bases, and sampling expansions in Banach spaces via semi-inner products. Applied and Computational Harmonic Analysis, 2011, 31, 1-25.	2.2	37
10	A note on curvature of α-connections of a statistical manifold. Annals of the Institute of Statistical Mathematics, 2007, 59, 161-170.	0.8	35
11	Regularized learning in Banach spaces as an optimization problem: representer theorems. Journal of Global Optimization, 2012, 54, 235-250.	1.8	28
12	Decomposing stimulus and response component waveforms in ERP. Journal of Neuroscience Methods, 1998, 80, 49-63.	2.5	27
13	Rho–tau embedding and gauge freedom in information geometry. Information Geometry, 2018, 1, 79-115.	1.2	20
14	On Monotone Embedding in Information Geometry. Entropy, 2015, 17, 4485-4499.	2.2	19
15	How to unconfound the directional and orientational information in visual neuron's response. Biological Cybernetics, 1990, 63, 135-142.	1.3	18
16	Interaction of Codazzi Couplings with (Para-)Kähler Geometry. Results in Mathematics, 2017, 72, 2037-2056.	0.8	18
17	Statistical manifold as an affine space: A functional equation approach. Journal of Mathematical Psychology, 2006, 50, 60-65.	1.8	17
18	Adaptive learning via selectionism and Bayesianism, Part I: Connection between the two. Neural Networks, 2009, 22, 220-228.	5.9	16

#	ARTICLE	IF	CITATIONS
19	Perspective‑Taking and Depth of Theory‑of‑Mind Reasoning in Sequential‑Move Games. Cognitive Science, 2012, 36, 560-573.	1.7	15
20	Vector-valued reproducing kernel Banach spaces with applications to multi-task learning. Journal of Complexity, 2013, 29, 195-215.	1.3	15
21	Connecting Information Geometry and Geometric Mechanics. Entropy, 2017, 19, 518.	2.2	14
22	Transformations and coupling relations for affine connections. Differential Geometry and Its Applications, 2016, 49, 111-130.	0.5	11
23	Analyzing Neuronal Processing Locus in Stimulus–Response Association Tasks. Journal of Mathematical Psychology, 1997, 41, 219-236.	1.8	10
24	Binary choice, subset choice, random utility, and ranking: A unified perspective using the permutahedron. Journal of Mathematical Psychology, 2004, 48, 107-134.	1.8	10
25	Generalized semi-inner products with applications to regularized learning. Journal of Mathematical Analysis and Applications, 2010, 372, 181-196.	1.0	10
26	Symplectic and Kähler Structures on Statistical Manifolds Induced from Divergence Functions. Lecture Notes in Computer Science, 2013, , 595-603.	1.3	10
27	The Kähler geometry of certain optimal transport problems. Pure and Applied Analysis, 2020, 2, 397-426.	1.1	9
28	Two paradigms for depth of strategic reasoning in games. Trends in Cognitive Sciences, 2003, 7, 4-5.	7.8	8
29	Computing motivation: Incentive salience boosts of drug or appetite states. Behavioral and Brain Sciences, 2008, 31, 440-441.	0.7	8
30	A multi-component decomposition algorithm for event-related potentials. Journal of Neuroscience Methods, 2009, 178, 219-227.	2.5	8
31	Tsallis and Rényi Deformations Linked via a New λ-Duality. IEEE Transactions on Information Theory, 2022, 68, 5353-5373.	2.4	8
32	Dual scaling of comparison and reference stimuli in multi-dimensional psychological space. Journal of Mathematical Psychology, 2004, 48, 409-424.	1.8	7
33	Statistical mirror symmetry. Differential Geometry and Its Applications, 2020, 73, 101678.	0.5	7
34	Adaptive learning via selectionism and Bayesianism, Part II: The sequential case. Neural Networks, 2009, 22, 229-236.	5.9	6
35	Reference duality and representation duality in information geometry. , 2015, , .		6
36	From Hessian to Weitzenböck: manifolds with torsion-carrying connections. Information Geometry, 2019, 2, 77-98.	1.2	6

#	ARTICLE	IF	CITATIONS
37	(Para-)Holomorphic and Conjugate Connections on (Para-)Hermitian and (Para-)Kähler Manifolds. Results in Mathematics, 2019, 74, 1.	0.8	6
38	Neuronal Firing Rate As Code Length: a Hypothesis. Computational Brain & Behavior, 2020, 3, 34-53.	1.7	5
39	λ-Deformation: A Canonical Framework for Statistical Manifolds of Constant Curvature. Entropy, 2022, 24, 193.	2.2	5
40	On Reproducing Kernel Banach Spaces: Generic Definitions and Unified Framework of Constructions. Acta Mathematica Sinica, English Series, 0, , .	0.6	5
41	Aggregation of utility and social choice: A topological characterization. Journal of Mathematical Psychology, 2003, 47, 545-556.	1.8	4
42	Generalizing Topological Set Operators. Electronic Notes in Theoretical Computer Science, 2019, 345, 63-76.	0.9	4
43	Characterizing projective geometry of binocular visual space by Möbius transformation. Journal of Mathematical Psychology, 2019, 88, 15-26.	1.8	4
44	Which is to blame: Instrumental rationality, or common knowledge?. Behavioral and Brain Sciences, 2003, 26, .	0.7	3
45	Information Geometry with (Para-)Kähler Structures. Springer Proceedings in Mathematics and Statistics, 2018, , 297-321.	0.2	3
46	Functional magnetic resonance imaging multivoxel pattern analysis reveals neuronal substrates for collaboration and competition with myopic and predictive strategic reasoning. Human Brain Mapping, 2020, 41, 4314-4331.	3.6	3
47	λ-Deformed probability families with subtractive and divisive normalizations. Handbook of Statistics, 2021, , 187-215.	0.6	3
48	New Geometry of Parametric Statistical Models. Lecture Notes in Computer Science, 2019, , 288-296.	1.3	3
49	Model Selection with Informative Normalized Maximum Likelihood: Data Prior and Model Prior. Advanced Series on Mathematical Psychology, 2011, , 303-319.	0.7	3
50	On Decomposing Stimulus and Response Waveforms in Event-Related Potentials Recordings. IEEE Transactions on Biomedical Engineering, 2011, 58, 1534-1545.	4.2	2
51	Vague-to-crisp dynamics of percept formation modeled as operant (selectionist) process. Cognitive Neurodynamics, 2014, 8, 71-80.	4.0	2
52	Information Geometry Under Monotone Embedding. Part I: Divergence Functions. Lecture Notes in Computer Science, 2017, , 205-214.	1.3	2
53	When optimal transport meets information geometry. Information Geometry, 2022, 5, 47-78.	1.2	2
54	Method of unconfounding orientation and direction tunings in neuronal response to moving bars and gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 2246.	1.5	1

#	Article	IF	Citations
55	Learning with Reproducing Kernel Banach Spaces. Trends in Mathematics, 2017, , 417-423.	0.1	1
56	Rho-Tau Embedding of Statistical Models. Signals and Communication Technology, 2019, , 1-13.	0.5	1
57	Recent Developments on the MTW Tensor. Lecture Notes in Computer Science, 2021, , 515-523.	1.3	1
58	Hessian Curvature and Optimal Transport. Lecture Notes in Computer Science, 2019, , 423-430.	1.3	1
59	Dualistic Riemannian Manifold Structure Induced from Convex Functions. Advances in Mechanics and Mathematics, 2009, , 437-464.	0.7	1
60	Information Geometry Under Monotone Embedding. Part II: Geometry. Lecture Notes in Computer Science, 2017, , 215-222.	1.3	1
61	Null preference and the resolution of the topological social choice paradox. Mathematical Social Sciences, 2018, 93, 47-51.	0.5	0
62	Affine Connections with Torsion inÂ(Para-)complexified Structures. Signals and Communication Technology, 2021, , 37-56.	0.5	0
63	Divergence Functions and Geometric Structures They Induce on a Manifold. Signals and Communication Technology, 2014, , 1-30.	0.5	0
64	Transformations and Coupling Relations for Affine Connections. Lecture Notes in Computer Science, 2015, , 326-339.	1.3	0
65	(Para-)Holomorphic Connections forÂInformation Geometry. Lecture Notes in Computer Science, 2017, , 186-194.	1.3	0
66	Constructing rationals through conjoint measurement of numerator and denominator as approximate integer magnitudes in tradeoff relations. Behavioral and Brain Sciences, 2021, 44, e204.	0.7	0