

Liping Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

7,455
citations

37
h-index

84
g-index

190
ext. papers

9,208
ext. citations

7.1
avg, IF

5.93
L-index

#	Paper	IF	Citations
165	The subthalamic corticotropin-releasing hormone neurons mediate adaptive REM-sleep responses to threat.. <i>Neuron</i> , 2022 ,	13.9	2
164	A dual-channel optogenetic stimulator selectively modulates distinct defensive behaviors.. <i>IScience</i> , 2022 , 25, 103681	6.1	2
163	An optogenetic approach for regulating human parathyroid hormone secretion.. <i>Nature Communications</i> , 2022 , 13, 771	17.4	0
162	Galvanic-Replacement-Assisted Surface-Initiated Atom Transfer Radical Polymerization for Functional Polymer Brush Engineering.. <i>ACS Macro Letters</i> , 2022 , 11, 296-302	6.6	1
161	Formation of the Looming-evoked Innate Defensive Response during Postnatal Development in Mice.. <i>Neuroscience Bulletin</i> , 2022 , 1	4.3	0
160	Interfacial assembled mesoporous polydopamine nanoparticles reduced graphene oxide for high performance of waterborne epoxy-based anticorrosive coatings. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1572-1585	9.3	8
159	An Easily Compatible Eye-tracking System for Freely-moving Small Animals.. <i>Neuroscience Bulletin</i> , 2022 , 1	4.3	0
158	Dopamine modulates visual threat processing in the superior colliculus via D2 receptors. <i>IScience</i> , 2022 , 104388	6.1	0
157	Seawater-Boosting Surface-Initiated Atom Transfer Radical Polymerization for Functional Polymer Brush Engineering.. <i>ACS Macro Letters</i> , 2022 , 11, 693-698	6.6	0
156	A new GABAergic somatostatin projection from the BNST onto accumbal parvalbumin neurons controls anxiety. <i>Molecular Psychiatry</i> , 2021 , 26, 4719-4741	15.1	18
155	AAV capsid variants with brain-wide transgene expression and decreased liver targeting after intravenous delivery in mouse and marmoset. <i>Nature Neuroscience</i> , 2021 ,	25.5	20
154	Flexible and stretchable polymer optical fibers for chronic brain and vagus nerve optogenetic stimulations in free-behaving animals. <i>BMC Biology</i> , 2021 , 19, 252	7.3	0
153	MouseVeneu3D: A Markerless Three-Dimension Behavioral Tracking System for Matching Two-Photon Brain Imaging in Free-Moving Mice. <i>Neuroscience Bulletin</i> , 2021 , 1	4.3	0
152	Structural Phase Transformation in Amorphous Molybdenum Disulfide during Friction. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 836-844	3.8	2
151	Single-cell transcriptomic analysis of somatosensory neurons uncovers temporal development of neuropathic pain. <i>Cell Research</i> , 2021 , 31, 904-918	24.7	12
150	An Infrared Touch System for Automatic Behavior Monitoring. <i>Neuroscience Bulletin</i> , 2021 , 37, 815-830	4.3	0
149	Orientation of Ultrathin ZrP Nanosheets in Aqueous Epoxy Resin for Anticorrosive Coatings. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5413-5424	5.6	7

148	A hierarchical 3D-motion learning framework for animal spontaneous behavior mapping. <i>Nature Communications</i> , 2021 , 12, 2784	17.4	6
147	Self-adaption Ta/TaC multilayer coating with fine grains: toward excellent corrosion resistance in aggressive environment. <i>Journal of Materials Science</i> , 2021 , 56, 14298-14313	4.3	1
146	Reduced Firing of Nucleus Accumbens Parvalbumin Interneurons Impairs Risk Avoidance in DISC1 Transgenic Mice. <i>Neuroscience Bulletin</i> , 2021 , 37, 1325-1338	4.3	2
145	Mapping the neural circuitry of predator fear in the nonhuman primate. <i>Brain Structure and Function</i> , 2021 , 226, 195-205	4	4
144	A Urease-Containing Fluorescent Hydrogel for Transient Information Storage. <i>Angewandte Chemie</i> , 2021 , 133, 3684-3690	3.6	8
143	A Urease-Containing Fluorescent Hydrogel for Transient Information Storage. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3640-3646	16.4	53
142	Non-covalent assembly of a super-tough, highly stretchable and environmentally adaptable self-healing material inspired by nacre. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20737-20747	13	8
141	New alkaloids from the diversity-enhanced extracts of an endophytic fungus <i>Aspergillus flavus</i> GZWMJZ-288. <i>Bioorganic Chemistry</i> , 2021 , 107, 104623	5.1	0
140	Modulation of Predator Cue-Evoked Tonic Immobility by Acetylcholine Released in the Basolateral Complex of the Amygdala. <i>Neuroscience Bulletin</i> , 2021 , 37, 1599-1604	4.3	0
139	Combination of transcatheter arterial chemoembolization and portal vein embolization for patients with hepatocellular carcinoma: a review. <i>World Journal of Surgical Oncology</i> , 2021 , 19, 293	3.4	2
138	Enhancing the mechanical and tribological properties of epoxy composites incorporation of reactive bio-based epoxy functionalized graphene oxide.. <i>RSC Advances</i> , 2020 , 10, 40148-40156	3.7	7
137	Glutamatergic and gabaergic neuronal populations in the dorsal Periacqueductual Gray have different functional roles in aversive conditioning. <i>Neuroscience Letters</i> , 2020 , 732, 135059	3.3	0
136	GABAergic Neurons in the Dorsal Raphe Nucleus that Express 5-HT3A Receptors Participate in Responses to Stress Hormones. <i>Neuroscience</i> , 2020 , 441, 217-225	3.9	1
135	Rhythmic light flicker rescues hippocampal low gamma and protects ischemic neurons by enhancing presynaptic plasticity. <i>Nature Communications</i> , 2020 , 11, 3012	17.4	21
134	Active anti-corrosion of epoxy coating by nitrite ions intercalated MgAl LDH. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122215	12.8	55
133	Performance of Topological Perception in the Myopic Population. <i>Current Eye Research</i> , 2020 , 45, 1458-1465		
132	Impaired Parahippocampal Gyrus-Orbitofrontal Cortex Circuit Associated with Visuospatial Memory Deficit as a Potential Biomarker and Interventional Approach for Alzheimer Disease. <i>Neuroscience Bulletin</i> , 2020 , 36, 831-844	4.3	4
131	A GABAergic neural circuit in the ventromedial hypothalamus mediates chronic stress-induced bone loss. <i>Journal of Clinical Investigation</i> , 2020 , 130, 6539-6554	15.9	9

130	Expert consensus workshop report: Guidelines for thermal ablation of thyroid tumors (2019 edition). <i>Journal of Cancer Research and Therapeutics</i> , 2020 , 16, 960-966	1.2	9
129	Sleep deprivation and adrenalectomy lead to enhanced innate escape response to visual looming stimuli. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 527, 737-743	3.4	0
128	Profiling of key brain nuclei involved in CNS control of stress and glucose homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 521, 441-448	3.4	2
127	Synthesis of nanosensors for autonomous warning of damage and self-repairing in polymeric coatings. <i>Nanoscale</i> , 2020 , 12, 3194-3204	7.7	19
126	Topological Shape Changes Weaken the Innate Defensive Response to Visual Threat in Mice. <i>Neuroscience Bulletin</i> , 2020 , 36, 427-431	4.3	5
125	Sexual dimorphic distribution of cannabinoid 1 receptor mRNA in adult C57BL/6J mice. <i>Journal of Comparative Neurology</i> , 2020 , 528, 1986-1999	3.4	11
124	A simple threat-detection strategy in mice. <i>BMC Biology</i> , 2020 , 18, 93	7.3	8
123	Stress affects the oscillation of blood glucose levels in rodents. <i>Biological Rhythm Research</i> , 2020 , 51, 699-708	0.8	1
122	Structural sensitivity of MoS ₂ -based films in solid space lubrication. <i>Surface Engineering</i> , 2020 , 36, 106-113	13.6	9
121	A high-efficiency corrosion inhibitor of N-doped citric acid-based carbon dots for mild steel in hydrochloric acid environment. <i>Journal of Hazardous Materials</i> , 2020 , 381, 121019	12.8	141
120	Facile synthesis of intelligent nanocomposites as encapsulation for materials protection. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 321-330	7.8	19
119	Structural design of MoS ₂ -based coatings toward high humidity and wide temperature. <i>Journal of Materials Science</i> , 2019 , 54, 11889-11902	4.3	12
118	Astrocyte, a Promising Target for Mood Disorder Interventions. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 136	6.1	32
117	A VTA GABAergic Neural Circuit Mediates Visually Evoked Innate Defensive Responses. <i>Neuron</i> , 2019 , 103, 473-488.e6	13.9	65
116	Atypical behaviour and connectivity in SHANK3-mutant macaques. <i>Nature</i> , 2019 , 570, 326-331	50.4	89
115	Self-healing of TiSiN/Ag coatings induced by Ag. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 7521-7532	13.5	5
114	Characterization of glutamatergic VTA neural population responses to aversive and rewarding conditioning in freely-moving mice. <i>Science Bulletin</i> , 2019 , 64, 1167-1178	10.6	7
113	Thermodynamics and kinetics of an oxygen adatom on pristine and functionalized graphene: insight gained into their anticorrosion properties. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12121-12129	3.6	5

112	Synthesis, characterization and properties of graphene-reinforced polyimide coatings. <i>New Journal of Chemistry</i> , 2019 , 43, 5697-5705	3.6	9
111	Mutual Identification between the Pressure-Induced Superlubricity and the Image Contrast Inversion of Carbon Nanostructures from AFM Technology. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1498-1504	6.4	11
110	Spaced Training Enhances Contextual Fear Memory Activating Hippocampal 5-HT2A Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 317	6.1	2
109	Graphene oxide encapsulated by mesoporous silica for intelligent anticorrosive coating: studies on release models and self-healing ability. <i>Dalton Transactions</i> , 2019 , 48, 13064-13073	4.3	12
108	Contrasting Oxygen Reduction Reactions on Zero- and One-Dimensional Defects of MoS for Versatile Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46327-46336	9.5	14
107	Brain activity regulates loose coupling between mitochondrial and cytosolic Ca transients. <i>Nature Communications</i> , 2019 , 10, 5277	17.4	13
106	The Glutamatergic Postrhinal Cortex-Ventrolateral Orbitofrontal Cortex Pathway Regulates Spatial Memory Retrieval. <i>Neuroscience Bulletin</i> , 2019 , 35, 447-460	4.3	7
105	Estrogen signaling in arcuate Kiss1 neurons suppresses a sex-dependent female circuit promoting dense strong bones. <i>Nature Communications</i> , 2019 , 10, 163	17.4	36
104	Subcortical visual pathway may be a new way for early diagnosis of glaucoma. <i>Medical Hypotheses</i> , 2019 , 123, 47-49	3.8	5
103	Dopamine-modified nanographite as reinforcing filler for epoxy nanocomposite. <i>Journal of Composite Materials</i> , 2019 , 53, 1671-1679	2.7	4
102	Synthesis and properties of polyimide nanocomposite containing dopamine-modified graphene oxide. <i>High Performance Polymers</i> , 2019 , 31, 331-340	1.6	6
101	Silane coupling agent modified BNDH as reinforcing filler for epoxy nanocomposite. <i>High Performance Polymers</i> , 2019 , 31, 116-123	1.6	11
100	Stress Accelerates Defensive Responses to Looming in Mice and Involves a Locus Coeruleus-Superior Colliculus Projection. <i>Current Biology</i> , 2018 , 28, 859-871.e5	6.3	65
99	Fabrication and modification of implantable optrode arrays for optogenetic applications. <i>Biophysics Reports</i> , 2018 , 4, 82-93	3.5	10
98	In situ polymerization of sulfonated polyaniline in layered double hydroxide host matrix for corrosion protection. <i>New Journal of Chemistry</i> , 2018 , 42, 4201-4209	3.6	30
97	Dopamine@Nanodiamond as novel reinforcing nanofillers for polyimide with enhanced thermal, mechanical and wear resistance performance.. <i>RSC Advances</i> , 2018 , 8, 3694-3704	3.7	15
96	Environment-Friendly Synthesis of Trace Element Zn, Sr, and F Codoping Hydroxyapatite with Non-cytotoxicity and Improved Osteoblast Proliferation and Differentiation. <i>Biological Trace Element Research</i> , 2018 , 185, 148-161	4.5	14
95	How Vertical Compression Triggers Lateral Interlayer Slide for Metallic Molybdenum Disulfide?. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	8

94	Achieving high thermal and mechanical properties of epoxy nanocomposites via incorporation of dopamine interfaced clay. <i>Polymer Composites</i> , 2018 , 39, E2407-E2414	3	7
93	Continuously Growing Ultrathick CrN Coating to Achieve High Load-Bearing Capacity and Good Tribological Property. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2965-2975	9.5	42
92	Chromanopyrones and a flavone from <i>Hypericum monogynum</i> . <i>Phytotherapy</i> 2018 , 125, 59-64	3.2	8
91	Noncovalent Functionalized Graphene-Filled Polyimides with Improved Thermal, Mechanical, and Wear Resistance Properties. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	9
90	Synthesis of l-Histidine-Attached Graphene Nanomaterials and Their Application for Steel Protection. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1385-1395	5.6	59
89	Understanding the tribological impacts of alkali element on lubrication of binary borate melt.. <i>RSC Advances</i> , 2018 , 8, 28847-28860	3.7	21
88	N-doping of graphene: toward long-term corrosion protection of Cu. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24136-24148	13	45
87	Modulation of Innate Defensive Responses by Locus Coeruleus-Superior Colliculus Circuit. <i>Journal of Experimental Neuroscience</i> , 2018 , 12, 1179069518792035	3.6	3
86	Activation of parvalbumin interneurons in anterior cingulate cortex impairs observational fear. <i>Science Bulletin</i> , 2018 , 63, 771-778	10.6	3
85	Ultrasoft and Highly Stretchable Hydrogel Optical Fibers for In Vivo Optogenetic Modulations. <i>Advanced Optical Materials</i> , 2018 , 6, 1800427	8.1	37
84	Anti-corrosion performance of aniline trimer-containing sol-gel hybrid coatings for mild steel substrate. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 87, 464-477	2.3	5
83	Gentle Handling Attenuates Innate Defensive Responses to Visual Threats. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 239	3.5	4
82	Efficient Graphene/Cyclodextrin-Based Nanocontainer: Synthesis and Host-Guest Inclusion for Self-Healing Anticorrosion Application. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36229-36239	9.5	122
81	Comparison of Therapeutic Effects of TREK1 Blockers and Fluoxetine on Chronic Unpredicted Mild Stress Sensitive Rats. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 2824-2831	5.7	9
80	Oligoaniline assisted dispersion of carbon nanotubes in epoxy matrix for achieving the nanocomposites with enhanced mechanical, thermal and tribological properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 446-454	3.5	7
79	Facile preparation of polyimide/graphene nanocomposites via an in situ polymerization approach. <i>RSC Advances</i> , 2017 , 7, 3003-3011	3.7	28
78	Exploring the Tribophysics and Tribochemistry of MoS ₂ by Sliding MoS ₂ /Ti Composite Coating Under Different Humidity. <i>Tribology Letters</i> , 2017 , 65, 1	2.8	22
77	Probing the Function of Solid Nanoparticle Structure under Boundary Lubrication. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4223-4233	8.3	35

76	Novel anodic oxide film with self-sealing layer showing excellent corrosion resistance. <i>Scientific Reports</i> , 2017 , 7, 1344	4.9	17
75	Bioactive interpenetrating polymer networks for improving the electrode/neural-tissue interface. <i>Electrochemistry Communications</i> , 2017 , 79, 59-62	5.1	9
74	Synthesis and formation mechanism of pinnoite in sulfated-type boron concentrated brine by dilution method. <i>Phase Transitions</i> , 2017 , 90, 1025-1033	1.3	1
73	Synergistic Effect of Polypyrrole-Intercalated Graphene for Enhanced Corrosion Protection of Aqueous Coating in 3.5% NaCl Solution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34294-34304	9.5	202
72	Non-covalent functionalized hexagonal boron nitride nanoplatelets to improve corrosion and wear resistance of epoxy coatings. <i>RSC Advances</i> , 2017 , 7, 44043-44053	3.7	47
71	Multilayer Regulation of Atomic Boron Nitride Films to Improve Oxidation and Corrosion Resistance of Cu. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27152-27165	9.5	35
70	Space irradiation-induced damage to graphene films. <i>Nanoscale</i> , 2017 , 9, 13079-13088	7.7	10
69	Astrocytic l-Lactate Signaling Facilitates Amygdala-Anterior Cingulate Cortex Synchrony and Decision Making in Rats. <i>Cell Reports</i> , 2017 , 21, 2407-2418	10.6	27
68	Cellulose Sponge with Superhydrophilicity and High Oleophobicity Both in Air and under Water for Efficient Oil/Water Emulsion Separation. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700086	3.9	20
67	Enhancement of mechanical and wear resistance performance in hexagonal boron nitride-reinforced epoxy nanocomposites. <i>Polymer International</i> , 2017 , 66, 659-664	3.3	20
66	Effects of intermediate Ar plasma treatments on CrN coating microstructures and property evolutions. <i>Surface and Interface Analysis</i> , 2017 , 49, 323-333	1.5	6
65	Activation of the dopaminergic pathway from VTA to the medial olfactory tubercle generates odor-preference and reward. <i>ELife</i> , 2017 , 6,	8.9	42
64	Piriform cortical glutamatergic and GABAergic neurons express coordinated plasticity for whisker-induced odor recall. <i>Oncotarget</i> , 2017 , 8, 95719-95740	3.3	18
63	Opportunities and challenges in modeling human brain disorders in transgenic primates. <i>Nature Neuroscience</i> , 2016 , 19, 1123-30	25.5	74
62	Dopaminergic inputs in the dentate gyrus direct the choice of memory encoding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5501-10	11.5	18
61	Opposite monosynaptic scaling of BLP-vCA1 inputs governs hopefulness- and helplessness-modulated spatial learning and memory. <i>Nature Communications</i> , 2016 , 7, 11935	17.4	42
60	Optogenetic dissection of ictal propagation in the hippocampal-entorhinal cortex structures. <i>Nature Communications</i> , 2016 , 7, 10962	17.4	52
59	Tribochemical Behavior of Phosphate Compounds at an Elevated Temperature. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25742-25751	3.8	26

58	Inhibition of Rac1 activity in the hippocampus impaired extinction of contextual fear. <i>Neuropharmacology</i> , 2016 , 109, 216-222	5.5	14
57	A new acentric borate of $K_2Ba[B_4O_5(OH)_4] \cdot 10H_2O$: synthesis, structure and nonlinear optical property. <i>Phase Transitions</i> , 2016 , 89, 996-1005	1.3	4
56	Direct detection of optogenetically evoked oscillatory neuronal electrical activity in rats using SLOE sequence. <i>NeuroImage</i> , 2016 , 125, 533-543	7.9	11
55	Synthesis and formation mechanism of pinnoite by the phase transition process. <i>Phase Transitions</i> , 2016 , 89, 558-567	1.3	4
54	A feasible multilayer structure design for solid lubricant coatings in a lunar environment. <i>RSC Advances</i> , 2016 , 6, 65504-65517	3.7	8
53	Processing of visually evoked innate fear by a non-canonical thalamic pathway. <i>Nature Communications</i> , 2015 , 6, 6756	17.4	162
52	Chronic constant light-induced hippocampal late-phase long-term potentiation impairment in vitro is attenuated by antagonist of D1/D5 receptors. <i>Brain Research</i> , 2015 , 1622, 72-80	3.7	1
51	Development of a microfluidic platform with integrated power splitting waveguides for optogenetic neural cell stimulation. <i>Biomedical Microdevices</i> , 2015 , 17, 101	3.7	4
50	Deactivation of excitatory neurons in the prelimbic cortex via Cdk5 promotes pain sensation and anxiety. <i>Nature Communications</i> , 2015 , 6, 7660	17.4	106
49	Impaired contextual fear extinction and hippocampal synaptic plasticity in adult rats induced by prenatal morphine exposure. <i>Addiction Biology</i> , 2015 , 20, 652-62	4.6	19
48	Graphene with outstanding anti-irradiation capacity as multialkylated cyclopentanes additive toward space application. <i>Scientific Reports</i> , 2015 , 5, 12734	4.9	36
47	Opioid addiction and withdrawal differentially drive long-term depression of inhibitory synaptic transmission in the hippocampus. <i>Scientific Reports</i> , 2015 , 5, 9666	4.9	15
46	Interference of TRPV1 function altered the susceptibility of PTZ-induced seizures. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 20	6.1	15
45	NMDA and D1 receptors are involved in one-trial tolerance to the anxiolytic-like effects of diazepam in the elevated plus maze test in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2015 , 135, 40-5	3.9	7
44	Light-controlled astrocytes promote human mesenchymal stem cells toward neuronal differentiation and improve the neurological deficit in stroke rats. <i>Glia</i> , 2014 , 62, 106-21	9	24
43	Maternal separation exaggerates spontaneous recovery of extinguished contextual fear in adult female rats. <i>Behavioural Brain Research</i> , 2014 , 269, 75-80	3.4	23
42	Activated astrocytes enhance the dopaminergic differentiation of stem cells and promote brain repair through bFGF. <i>Nature Communications</i> , 2014 , 5, 5627	17.4	49
41	Modulation effect of transcranial direct current stimulation on phase synchronization in motor imagery brain-computer interface. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1270-3	0.9	3

40	Multi-unit recording with iridium oxide modified stereotrodes in <i>Drosophila melanogaster</i> . <i>Journal of Neuroscience Methods</i> , 2014 , 222, 218-29	3	4
39	Performance of motor imagery brain-computer interface based on anodal transcranial direct current stimulation modulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013 , 21, 404-15	4.8	47
38	Light-controlled inhibition of malignant glioma by opsin gene transfer. <i>Cell Death and Disease</i> , 2013 , 4, e893	9.8	17
37	Chronic clomipramine treatment reverses core symptom of depression in subordinate tree shrews. <i>PLoS ONE</i> , 2013 , 8, e80980	3.7	27
36	Basal physiological parameters in domesticated tree shrews (<i>Tupaia belangeri chinensis</i>). <i>Zoological Research</i> , 2013 , 34, E69-74		8
35	Poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate)-poly(vinyl alcohol)/poly(acrylic acid) interpenetrating polymer networks for improving optrode-neural tissue interface in optogenetics. <i>Biomaterials</i> , 2012 , 33, 378-94	15.6	74
34	A novel EMD-based Common Spatial Pattern for motor imagery brain-computer interface 2012 ,		9
33	Acute low-dose melamine affects hippocampal synaptic plasticity and behavior in rats. <i>Toxicology Letters</i> , 2012 , 214, 63-8	4.4	26
32	Using optogenetics to translate the "inflammatory dialogue" between heart and brain in the context of stress. <i>Neuroscience Bulletin</i> , 2012 , 28, 435-48	4.3	5
31	Marine cyclotriptide X-13 promotes angiogenesis in zebrafish and human endothelial cells via PI3K/Akt/eNOS signaling pathways. <i>Marine Drugs</i> , 2012 , 10, 1307-20	6	12
30	Combination of amplitude and phase features under a uniform framework with EMD in EEG-based Brain-Computer Interface. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 1687-90	0.9	3
29	Instrumentation of a compact random-access photostimulator based on acousto-optic deflectors. <i>Review of Scientific Instruments</i> , 2012 , 83, 025116	1.7	6
28	GABA attenuates amyloid toxicity by downregulating its endocytosis and improves cognitive impairment. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 635-49	4.3	16
27	Interaction between behavioral despair and addictive behaviors in rats. <i>Physiology and Behavior</i> , 2011 , 102, 7-12	3.5	8
26	Nicotinic acetylcholine receptor agonists may be a novel therapy for endometriosis. <i>Medical Hypotheses</i> , 2011 , 77, 745-7	3.8	3
25	Enriched environment and physical activity reduce microglia and influence the fate of NG2 cells in the amygdala of adult mice. <i>Cell and Tissue Research</i> , 2011 , 345, 69-86	4.2	80
24	Tracking stem cell differentiation in the setting of automated optogenetic stimulation. <i>Stem Cells</i> , 2011 , 29, 78-88	5.8	68
23	Strontium enhances osteogenic differentiation of mesenchymal stem cells and in vivo bone formation by activating Wnt/catenin signaling. <i>Stem Cells</i> , 2011 , 29, 981-91	5.8	322

22	Osteogenic differentiation of mesenchymal stem cells could be enhanced by strontium. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 823-6	0.9	5
21	Manipulation of an innate escape response in <i>Drosophila</i> : photoexcitation of acj6 neurons induces the escape response. <i>PLoS ONE</i> , 2009 , 4, e5100	3.7	19
20	Analysis of interstitial concentrations of ATP from rat soleus muscle using microdialysis combined with ion-pairing high performance liquid chromatography (HPLC). <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 3787-9	0.9	
19	Therapeutic potential of extracellular ATP and P2 receptors in nervous system diseases. <i>Neuroscience Bulletin</i> , 2009 , 25, 27-32	4.3	10
18	Poly(vinyl alcohol)/poly(acrylic acid) hydrogel coatings for improving electrode-neural tissue interface. <i>Biomaterials</i> , 2009 , 30, 4143-51	15.6	143
17	Astrocyte function is modified by Alzheimer's disease-like pathology in aged mice. <i>Journal of Alzheimer's Disease</i> , 2009 , 18, 177-89	4.3	60
16	Calcitonin gene-related peptide (CGRP) triggers Ca ²⁺ responses in cultured astrocytes and in Bergmann glial cells from cerebellar slices. <i>European Journal of Neuroscience</i> , 2008 , 28, 2213-20	3.5	28
15	Calcitonin gene-related peptide (CGRP) triggers Ca ²⁺ responses in cultured astrocytes and in Bergmann glial cells from cerebellar slices. <i>European Journal of Neuroscience</i> , 2008 , 28, 2550-2550	3.5	
14	Mild brain ischemia induces unique physiological properties in striatal astrocytes. <i>Glia</i> , 2008 , 56, 925-34	9	16
13	Multimodal fast optical interrogation of neural circuitry. <i>Nature</i> , 2007 , 446, 633-9	50.4	1359
12	Neuroprotective role of bradykinin because of the attenuation of pro-inflammatory cytokine release from activated microglia. <i>Journal of Neurochemistry</i> , 2007 , 101, 397-410	6	100
11	An optical neural interface: in vivo control of rodent motor cortex with integrated fiberoptic and optogenetic technology. <i>Journal of Neural Engineering</i> , 2007 , 4, S143-56	5	707
10	Local origin and activity-dependent generation of nestin-expressing protoplasmic astrocytes in CA1. <i>Brain Structure and Function</i> , 2007 , 212, 19-35	4	23
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