

# Liping Wang

## List of Publications by Citations

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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 | Multimodal fast optical interrogation of neural circuitry. <i>Nature</i> , <b>2007</b> , 446, 633-9  | 50.4 | 1359      |
| 164 | An optical neural interface: in vivo control of rodent motor cortex with integrated fiberoptic and optogenetic technology. <i>Journal of Neural Engineering</i> , <b>2007</b> , 4, S143-56   | 5    | 707       |
| 163 | Channelrhodopsin-2 and optical control of excitable cells. <i>Nature Methods</i> , <b>2006</b> , 3, 785-92   | 21.6 | 542       |
| 162 | Subpopulation of nestin-expressing progenitor cells in the adult murine hippocampus shows electrophysiological and morphological characteristics of astrocytes. <i>Molecular and Cellular Neurosciences</i> , <b>2003</b> , 23, 373-82 | 4.8  | 375       |
| 161 | Strontium enhances osteogenic differentiation of mesenchymal stem cells and in vivo bone formation by activating Wnt/catenin signaling. <i>Stem Cells</i> , <b>2011</b> , 29, 981-91   | 5.8  | 322       |
| 160 | Type-2 cells as link between glial and neuronal lineage in adult hippocampal neurogenesis. <i>Glia</i> , <b>2006</b> , 54, 805-14  | 9    | 268       |
| 159 | Synergistic Effect of Polypyrrole-Intercalated Graphene for Enhanced Corrosion Protection of Aqueous Coating in 3.5% NaCl Solution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34294-34304                       | 9.5  | 202       |
| 158 | Glioblastoma-induced attraction of endogenous neural precursor cells is associated with improved survival. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 2637-46  | 6.6  | 182       |
| 157 | Processing of visually evoked innate fear by a non-canonical thalamic pathway. <i>Nature Communications</i> , <b>2015</b> , 6, 6756  | 17.4 | 162       |
| 156 | A subpopulation of precursor cells in the mouse dentate gyrus receives synaptic GABAergic input. <i>Molecular and Cellular Neurosciences</i> , <b>2005</b> , 29, 181-9   | 4.8  | 145       |
| 155 | Poly(vinyl alcohol)/poly(acrylic acid) hydrogel coatings for improving electrode-neural tissue interface. <i>Biomaterials</i> , <b>2009</b> , 30, 4143-51  | 15.6 | 143       |
| 154 | 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> , <b>2020</b> , 381, 121019                                      | 12.8 | 141       |
| 153 | Efficient Graphene/Cyclodextrin-Based Nanocontainer: Synthesis and Host-Guest Inclusion for Self-Healing Anticorrosion Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36229-36239                      | 9.5  | 122       |
| 152 | Deactivation of excitatory neurons in the prelimbic cortex via Cdk5 promotes pain sensation and anxiety. <i>Nature Communications</i> , <b>2015</b> , 6, 7660  | 17.4 | 106       |
| 151 | Neuroprotective role of bradykinin because of the attenuation of pro-inflammatory cytokine release from activated microglia. <i>Journal of Neurochemistry</i> , <b>2007</b> , 101, 397-410   | 6    | 100       |
| 150 | Atypical behaviour and connectivity in SHANK3-mutant macaques. <i>Nature</i> , <b>2019</b> , 570, 326-331  | 50.4 | 89        |
| 149 | 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> , <b>2011</b> , 345, 69-86  | 4.2  | 80        |

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| 148 | Functional expression of the ecto-ATPase NTPDase2 and of nucleotide receptors by neuronal progenitor cells in the adult murine hippocampus. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 80, 600-10                                 | 4.4  | 76 |
| 147 | Opportunities and challenges in modeling human brain disorders in transgenic primates. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 1123-30  | 25.5 | 74 |
| 146 | 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> , <b>2012</b> , 33, 378-94 | 15.6 | 74 |
| 145 | Tracking stem cell differentiation in the setting of automated optogenetic stimulation. <i>Stem Cells</i> , <b>2011</b> , 29, 78-88  | 5.8  | 68 |
| 144 | A VTA GABAergic Neural Circuit Mediates Visually Evoked Innate Defensive Responses. <i>Neuron</i> , <b>2019</b> , 103, 473-488.e6  | 13.9 | 65 |
| 143 | Stress Accelerates Defensive Responses to Looming in Mice and Involves a Locus Coeruleus-Superior Colliculus Projection. <i>Current Biology</i> , <b>2018</b> , 28, 859-871.e5   | 6.3  | 65 |
| 142 | Astrocyte function is modified by Alzheimer's disease-like pathology in aged mice. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 18, 177-89  | 4.3  | 60 |
| 141 | Synthesis of l-Histidine-Attached Graphene Nanomaterials and Their Application for Steel Protection. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1385-1395  | 5.6  | 59 |
| 140 | Active anti-corrosion of epoxy coating by nitrite ions intercalated MgAl LDH. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 122215  | 12.8 | 55 |
| 139 | A Urease-Containing Fluorescent Hydrogel for Transient Information Storage. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3640-3646   | 16.4 | 53 |
| 138 | Optogenetic dissection of ictal propagation in the hippocampal-entorhinal cortex structures. <i>Nature Communications</i> , <b>2016</b> , 7, 10962   | 17.4 | 52 |
| 137 | Activated astrocytes enhance the dopaminergic differentiation of stem cells and promote brain repair through bFGF. <i>Nature Communications</i> , <b>2014</b> , 5, 5627  | 17.4 | 49 |
| 136 | Non-covalent functionalized hexagonal boron nitride nanoplatelets to improve corrosion and wear resistance of epoxy coatings. <i>RSC Advances</i> , <b>2017</b> , 7, 44043-44053   | 3.7  | 47 |
| 135 | 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> , <b>2013</b> , 21, 404-15                 | 4.8  | 47 |
| 134 | N-doping of graphene: toward long-term corrosion protection of Cu. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24136-24148  | 13   | 45 |
| 133 | Continuously Growing Ultrathick CrN Coating to Achieve High Load-Bearing Capacity and Good Tribological Property. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2965-2975  | 9.5  | 42 |
| 132 | Opposite monosynaptic scaling of BLP-vCA1 inputs governs hopefulness- and helplessness-modulated spatial learning and memory. <i>Nature Communications</i> , <b>2016</b> , 7, 11935  | 17.4 | 42 |
| 131 | Activation of the dopaminergic pathway from VTA to the medial olfactory tubercle generates odor-preference and reward. <i>ELife</i> , <b>2017</b> , 6,   | 8.9  | 42 |

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|-----|---|------|----|
| 130 | Nestin-expressing cells divide and adopt a complex electrophysiologic phenotype after transient brain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, 1613-24                          | 7.3  | 41 |
| 129 | Ultrasoft and Highly Stretchable Hydrogel Optical Fibers for In Vivo Optogenetic Modulations. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800427  | 8.1  | 37 |
| 128 | Graphene with outstanding anti-irradiation capacity as multialkylated cyclopentanes additive toward space application. <i>Scientific Reports</i> , <b>2015</b> , 5, 12734   | 4.9  | 36 |
| 127 | Estrogen signaling in arcuate Kiss1 neurons suppresses a sex-dependent female circuit promoting dense strong bones. <i>Nature Communications</i> , <b>2019</b> , 10, 163  | 17.4 | 36 |
| 126 | Probing the Function of Solid Nanoparticle Structure under Boundary Lubrication. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4223-4233  | 8.3  | 35 |
| 125 | Multilayer Regulation of Atomic Boron Nitride Films to Improve Oxidation and Corrosion Resistance of Cu. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27152-27165                                     | 9.5  | 35 |
| 124 | Astrocyte, a Promising Target for Mood Disorder Interventions. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 136   | 6.1  | 32 |
| 123 | In situ polymerization of sulfonated polyaniline in layered double hydroxide host matrix for corrosion protection. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 4201-4209  | 3.6  | 30 |
| 122 | Facile preparation of polyimide/graphene nanocomposites via an in situ polymerization approach. <i>RSC Advances</i> , <b>2017</b> , 7, 3003-3011  | 3.7  | 28 |
| 121 | Calcitonin gene-related peptide (CGRP) triggers Ca <sup>2+</sup> responses in cultured astrocytes and in Bergmann glial cells from cerebellar slices. <i>European Journal of Neuroscience</i> , <b>2008</b> , 28, 2213-20 | 3.5  | 28 |
| 120 | Astrocytic l-Lactate Signaling Facilitates Amygdala-Anterior Cingulate Cortex Synchrony and Decision Making in Rats. <i>Cell Reports</i> , <b>2017</b> , 21, 2407-2418  | 10.6 | 27 |
| 119 | Chronic clomipramine treatment reverses core symptom of depression in subordinate tree shrews. <i>PLoS ONE</i> , <b>2013</b> , 8, e80980  | 3.7  | 27 |
| 118 | Tribochemical Behavior of Phosphate Compounds at an Elevated Temperature. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 25742-25751   | 3.8  | 26 |
| 117 | Acute low-dose melamine affects hippocampal synaptic plasticity and behavior in rats. <i>Toxicology Letters</i> , <b>2012</b> , 214, 63-8   | 4.4  | 26 |
| 116 | Light-controlled astrocytes promote human mesenchymal stem cells toward neuronal differentiation and improve the neurological deficit in stroke rats. <i>Glia</i> , <b>2014</b> , 62, 106-21                              | 9    | 24 |
| 115 | Maternal separation exaggerates spontaneous recovery of extinguished contextual fear in adult female rats. <i>Behavioural Brain Research</i> , <b>2014</b> , 269, 75-80   | 3.4  | 23 |
| 114 | Local origin and activity-dependent generation of nestin-expressing protoplasmic astrocytes in CA1. <i>Brain Structure and Function</i> , <b>2007</b> , 212, 19-35  | 4    | 23 |
| 113 | Exploring the Tribophysics and Tribochemistry of MoS <sub>2</sub> by Sliding MoS <sub>2</sub> /Ti Composite Coating Under Different Humidity. <i>Tribology Letters</i> , <b>2017</b> , 65, 1                              | 2.8  | 22 |

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|-----|--|------|----|
| 112 | Rhythmic light flicker rescues hippocampal low gamma and protects ischemic neurons by enhancing presynaptic plasticity. <i>Nature Communications</i> , <b>2020</b> , 11, 3012  | 17.4 | 21 |
| 111 | Understanding the tribological impacts of alkali element on lubrication of binary borate melt.. <i>RSC Advances</i> , <b>2018</b> , 8, 28847-28860   | 3.7  | 21 |
| 110 | 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> , <b>2017</b> , 302, 1700086 | 3.9  | 20 |
| 109 | Enhancement of mechanical and wear resistance performance in hexagonal boron nitride-reinforced epoxy nanocomposites. <i>Polymer International</i> , <b>2017</b> , 66, 659-664   | 3.3  | 20 |
| 108 | AAV capsid variants with brain-wide transgene expression and decreased liver targeting after intravenous delivery in mouse and marmoset. <i>Nature Neuroscience</i> , <b>2021</b> ,                                    | 25.5 | 20 |
| 107 | Facile synthesis of intelligent nanocomposites as encapsulation for materials protection. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 321-330  | 7.8  | 19 |
| 106 | Impaired contextual fear extinction and hippocampal synaptic plasticity in adult rats induced by prenatal morphine exposure. <i>Addiction Biology</i> , <b>2015</b> , 20, 652-62                                       | 4.6  | 19 |
| 105 | Manipulation of an innate escape response in <i>Drosophila</i> : photoexcitation of acj6 neurons induces the escape response. <i>PLoS ONE</i> , <b>2009</b> , 4, e5100   | 3.7  | 19 |
| 104 | Synthesis of nanosensors for autonomous warning of damage and self-repairing in polymeric coatings. <i>Nanoscale</i> , <b>2020</b> , 12, 3194-3204   | 7.7  | 19 |
| 103 | A new GABAergic somatostatin projection from the BNST onto accumbal parvalbumin neurons controls anxiety. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 4719-4741  | 15.1 | 18 |
| 102 | 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> , <b>2016</b> , 113, E5501-10                    | 11.5 | 18 |
| 101 | Piriform cortical glutamatergic and GABAergic neurons express coordinated plasticity for whisker-induced odor recall. <i>Oncotarget</i> , <b>2017</b> , 8, 95719-95740   | 3.3  | 18 |
| 100 | Novel anodic oxide film with self-sealing layer showing excellent corrosion resistance. <i>Scientific Reports</i> , <b>2017</b> , 7, 1344  | 4.9  | 17 |
| 99  | Light-controlled inhibition of malignant glioma by opsin gene transfer. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e893  | 9.8  | 17 |
| 98  | GABA attenuates amyloid toxicity by downregulating its endocytosis and improves cognitive impairment. <i>Journal of Alzheimer's Disease</i> , <b>2012</b> , 31, 635-49   | 4.3  | 16 |
| 97  | Mild brain ischemia induces unique physiological properties in striatal astrocytes. <i>Glia</i> , <b>2008</b> , 56, 925-34   | 9    | 16 |
| 96  | Dopamine@Nanodiamond as novel reinforcing nanofillers for polyimide with enhanced thermal, mechanical and wear resistance performance.. <i>RSC Advances</i> , <b>2018</b> , 8, 3694-3704                               | 3.7  | 15 |
| 95  | Opioid addiction and withdrawal differentially drive long-term depression of inhibitory synaptic transmission in the hippocampus. <i>Scientific Reports</i> , <b>2015</b> , 5, 9666                                    | 4.9  | 15 |

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|----|--|------|----|
| 94 | Interference of TRPV1 function altered the susceptibility of PTZ-induced seizures. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 20   | 6.1  | 15 |
| 93 | 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> , <b>2018</b> , 185, 148-161 | 4.5  | 14 |
| 92 | Inhibition of Rac1 activity in the hippocampus impaired extinction of contextual fear. <i>Neuropharmacology</i> , <b>2016</b> , 109, 216-222   | 5.5  | 14 |
| 91 | Contrasting Oxygen Reduction Reactions on Zero- and One-Dimensional Defects of MoS for Versatile Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46327-46336   | 9.5  | 14 |
| 90 | Brain activity regulates loose coupling between mitochondrial and cytosolic Ca transients. <i>Nature Communications</i> , <b>2019</b> , 10, 5277   | 17.4 | 13 |
| 89 | Structural design of MoS <sub>2</sub> -based coatings toward high humidity and wide temperature. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 11889-11902   | 4.3  | 12 |
| 88 | Graphene oxide encapsulated by mesoporous silica for intelligent anticorrosive coating: studies on release models and self-healing ability. <i>Dalton Transactions</i> , <b>2019</b> , 48, 13064-13073                                       | 4.3  | 12 |
| 87 | Marine cyclotriptide X-13 promotes angiogenesis in zebrafish and human endothelial cells via PI3K/Akt/eNOS signaling pathways. <i>Marine Drugs</i> , <b>2012</b> , 10, 1307-20   | 6    | 12 |
| 86 | Single-cell transcriptomic analysis of somatosensory neurons uncovers temporal development of neuropathic pain. <i>Cell Research</i> , <b>2021</b> , 31, 904-918   | 24.7 | 12 |
| 85 | 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> , <b>2019</b> , 10, 1498-1504                  | 6.4  | 11 |
| 84 | Direct detection of optogenetically evoked oscillatory neuronal electrical activity in rats using SLOE sequence. <i>NeuroImage</i> , <b>2016</b> , 125, 533-543  | 7.9  | 11 |
| 83 | Sexual dimorphic distribution of cannabinoid 1 receptor mRNA in adult C57BL/6J mice. <i>Journal of Comparative Neurology</i> , <b>2020</b> , 528, 1986-1999  | 3.4  | 11 |
| 82 | Silane coupling agent modified BNDH as reinforcing filler for epoxy nanocomposite. <i>High Performance Polymers</i> , <b>2019</b> , 31, 116-123  | 1.6  | 11 |
| 81 | Fabrication and modification of implantable optrode arrays for optogenetic applications. <i>Biophysics Reports</i> , <b>2018</b> , 4, 82-93  | 3.5  | 10 |
| 80 | Space irradiation-induced damage to graphene films. <i>Nanoscale</i> , <b>2017</b> , 9, 13079-13088  | 7.7  | 10 |
| 79 | Therapeutic potential of extracellular ATP and P2 receptors in nervous system diseases. <i>Neuroscience Bulletin</i> , <b>2009</b> , 25, 27-32   | 4.3  | 10 |
| 78 | Bioactive interpenetrating polymer networks for improving the electrode/neural-tissue interface. <i>Electrochemistry Communications</i> , <b>2017</b> , 79, 59-62  | 5.1  | 9  |
| 77 | Synthesis, characterization and properties of graphene-reinforced polyimide coatings. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 5697-5705  | 3.6  | 9  |

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| 76 | Noncovalent Functionalized Graphene-Filled Polyimides with Improved Thermal, Mechanical, and Wear Resistance Properties. <i>Tribology Letters</i> , <b>2018</b> , 66, 1  | 2.8  | 9 |
| 75 | A novel EMD-based Common Spatial Pattern for motor imagery brain-computer interface <b>2012</b> ,  |      | 9 |
| 74 | A GABAergic neural circuit in the ventromedial hypothalamus mediates chronic stress-induced bone loss. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 6539-6554   | 15.9 | 9 |
| 73 | Expert consensus workshop report: Guidelines for thermal ablation of thyroid tumors (2019 edition). <i>Journal of Cancer Research and Therapeutics</i> , <b>2020</b> , 16, 960-966   | 1.2  | 9 |
| 72 | Structural sensitivity of MoS <sub>2</sub> -based films in solid space lubrication. <i>Surface Engineering</i> , <b>2020</b> , 36, 106-113   | 3.6  | 9 |
| 71 | Comparison of Therapeutic Effects of TREK1 Blockers and Fluoxetine on Chronic Unpredicted Mild Stress Sensitive Rats. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 2824-2831  | 5.7  | 9 |
| 70 | How Vertical Compression Triggers Lateral Interlayer Slide for Metallic Molybdenum Disulfide?. <i>Tribology Letters</i> , <b>2018</b> , 66, 1  | 2.8  | 8 |
| 69 | Chromanopyrones and a flavone from <i>Hypericum monogynum</i> . <i>Phytotherapy</i> <b>2018</b> , 125, 59-64   | 3.2  | 8 |
| 68 | Interaction between behavioral despair and addictive behaviors in rats. <i>Physiology and Behavior</i> , <b>2011</b> , 102, 7-12   | 3.5  | 8 |
| 67 | Basal physiological parameters in domesticated tree shrews ( <i>Tupaia belangeri chinensis</i> ). <i>Zoological Research</i> , <b>2013</b> , 34, E69-74  |      | 8 |
| 66 | A simple threat-detection strategy in mice. <i>BMC Biology</i> , <b>2020</b> , 18, 93  | 7.3  | 8 |
| 65 | A feasible multilayer structure design for solid lubricant coatings in a lunar environment. <i>RSC Advances</i> , <b>2016</b> , 6, 65504-65517   | 3.7  | 8 |
| 64 | A Urease-Containing Fluorescent Hydrogel for Transient Information Storage. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3684-3690  | 3.6  | 8 |
| 63 | 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> , <b>2021</b> , 9, 20737-20747   | 13   | 8 |
| 62 | 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> , <b>2022</b> , 606, 1572-1585                     | 9.3  | 8 |
| 61 | 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> , <b>2017</b> , 35, 446-454 | 3.5  | 7 |
| 60 | Characterization of glutamatergic VTA neural population responses to aversive and rewarding conditioning in freely-moving mice. <i>Science Bulletin</i> , <b>2019</b> , 64, 1167-1178  | 10.6 | 7 |
| 59 | Enhancing the mechanical and tribological properties of epoxy composites incorporation of reactive bio-based epoxy functionalized graphene oxide.. <i>RSC Advances</i> , <b>2020</b> , 10, 40148-40156   | 3.7  | 7 |

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|----|--|------|---|
| 58 | Achieving high thermal and mechanical properties of epoxy nanocomposites via incorporation of dopamine interfaced clay. <i>Polymer Composites</i> , <b>2018</b> , 39, E2407-E2414  | 3    | 7 |
| 57 | 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> , <b>2015</b> , 135, 40-5   | 3.9  | 7 |
| 56 | Orientation of Ultrathin ZrP Nanosheets in Aqueous Epoxy Resin for Anticorrosive Coatings. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5413-5424  | 5.6  | 7 |
| 55 | The Glutamatergic Postrhinal Cortex-Ventrolateral Orbitofrontal Cortex Pathway Regulates Spatial Memory Retrieval. <i>Neuroscience Bulletin</i> , <b>2019</b> , 35, 447-460  | 4.3  | 7 |
| 54 | Effects of intermediate Ar plasma treatments on CrN coating microstructures and property evolutions. <i>Surface and Interface Analysis</i> , <b>2017</b> , 49, 323-333   | 1.5  | 6 |
| 53 | Instrumentation of a compact random-access photostimulator based on acousto-optic deflectors. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 025116   | 1.7  | 6 |
| 52 | A hierarchical 3D-motion learning framework for animal spontaneous behavior mapping. <i>Nature Communications</i> , <b>2021</b> , 12, 2784   | 17.4 | 6 |
| 51 | Synthesis and properties of polyimide nanocomposite containing dopamine-modified graphene oxide. <i>High Performance Polymers</i> , <b>2019</b> , 31, 331-340  | 1.6  | 6 |
| 50 | Self-healing of TiSiN/Ag coatings induced by Ag. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7523-7532   | 3.8  | 6 |
| 49 | Thermodynamics and kinetics of an oxygen adatom on pristine and functionalized graphene: insight gained into their anticorrosion properties. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 12121-12129  | 3.6  | 5 |
| 48 | Anti-corrosion performance of aniline trimer-containing sol-gel hybrid coatings for mild steel substrate. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 87, 464-477   | 2.3  | 5 |
| 47 | Using optogenetics to translate the "inflammatory dialogue" between heart and brain in the context of stress. <i>Neuroscience Bulletin</i> , <b>2012</b> , 28, 435-48  | 4.3  | 5 |
| 46 | 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> , <b>2010</b> , 2010, 823-6 | 0.9  | 5 |
| 45 | Topological Shape Changes Weaken the Innate Defensive Response to Visual Threat in Mice. <i>Neuroscience Bulletin</i> , <b>2020</b> , 36, 427-431  | 4.3  | 5 |
| 44 | Subcortical visual pathway may be a new way for early diagnosis of glaucoma. <i>Medical Hypotheses</i> , <b>2019</b> , 123, 47-49  | 3.8  | 5 |
| 43 | Development of a microfluidic platform with integrated power splitting waveguides for optogenetic neural cell stimulation. <i>Biomedical Microdevices</i> , <b>2015</b> , 17, 101  | 3.7  | 4 |
| 42 | 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> , <b>2020</b> , 36, 831-844   | 4.3  | 4 |
| 41 | A new acentric borate of K <sub>2</sub> Ba[B <sub>4</sub> O <sub>5</sub> (OH) <sub>4</sub> ] <sub>2</sub> ·10H <sub>2</sub> O: synthesis, structure and nonlinear optical property. <i>Phase Transitions</i> , <b>2016</b> , 89, 996-1005  | 1.3  | 4 |

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|----|---|------|---|
| 40 | Synthesis and formation mechanism of pinnoite by the phase transition process. <i>Phase Transitions</i> , <b>2016</b> , 89, 558-567   | 1.3  | 4 |
| 39 | Multi-unit recording with iridium oxide modified stereotrodes in <i>Drosophila melanogaster</i> . <i>Journal of Neuroscience Methods</i> , <b>2014</b> , 222, 218-29  | 3    | 4 |
| 38 | Dopamine-modified nanographite as reinforcing filler for epoxy nanocomposite. <i>Journal of Composite Materials</i> , <b>2019</b> , 53, 1671-1679   | 2.7  | 4 |
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