# Hua Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10579966/publications.pdf

Version: 2024-02-01

| | | 168829 | 252626 |
|---|---|---|---|
| 47 | 3,354 | 31 | 46 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 47 | 47 | 47 | 4988 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cathodic protected Mn2+ by NaxWO3 nanorods for stable magnetic resonance imaging-guided tumor photothermal therapy. Biomaterials, 2020, 234, 119762. | 5.7 | 21 |
| 2 | MAP4K4 negatively regulates CD8 T cellâ€“mediated antitumor and antiviral immunity. Science Immunology, 2020, 5, . | 5.6 | 18 |
| 3 | RIP1 kinase activity is critical for skin inflammation but not for viral propagation. Journal of Leukocyte Biology, 2020, 107, 941-952. | 1.5 | 34 |
| 4 | DCE-MRI in Human Gliomas. Academic Radiology, 2019, 26, 179-187. | 1.3 | 8 |
| 5 | Application of MRS- and ASL-guided navigation for biopsy of intracranial tumors. Acta Radiologica, 2019, 60, 374-381. | 0.5 | 8 |
| 6 | Noninvasive Prediction of IDH1 Mutation and ATRX Expression Loss in Lowâ€Grade Gliomas Using Multiparametric MR Radiomic Features. Journal of Magnetic Resonance Imaging, 2019, 49, 808-817. | 1.9 | 62 |
| 7 | In Vivo MR Imaging of Glioma Recruitment of Adoptive Tâ€Cells Labeled with NaGdF<sub>4</sub>â€TAT Nanoprobes. Small, 2018, 14, 1702951. | 5.2 | 26 |
| 8 | Optimized arylomycins are a new class of Gram-negative antibiotics. Nature, 2018, 561, 189-194. | 13.7 | 244 |
| 9 | A multifunctional nanotheranostic for the intelligent MRI diagnosis and synergistic treatment of hypoxic tumor. Biomaterials, 2018, 175, 123-133. | 5.7 | 49 |
| 10 | Harness the Power of Upconversion Nanoparticles for Spectral Computed Tomography Diagnosis of Osteosarcoma. Advanced Functional Materials, 2018, 28, 1802656. | 7.8 | 30 |
| 11 | Pyroelectric nanoplatform for NIR-II-triggered photothermal therapy with simultaneous pyroelectric dynamic therapy. Materials Horizons, 2018, 5, 946-952. | 6.4 | 108 |
| 12 | Exogenous Amino Acidâ€Loaded Nanovehicles: Stepping across Endogenous Magnetic Resonance Spectroscopy. Advanced Healthcare Materials, 2018, 7, 1800317. | 3.9 | 3 |
| 13 | Targeting Upconversion Nanoprobes for Magnetic Resonance Imaging of Early Colon Cancer. Particle and Particle Systems Characterization, 2017, 34, 1600393. | 1.2 | 4 |
| 14 | Interventional Treatment for Hepatic Artery Thrombosis after Liver Transplantation. Journal of Vascular and Interventional Radiology, 2017, 28, 1116-1122. | 0.2 | 18 |
| 15 | Magnetic Resonance Imaging Features of Solitary Hypothalamitis. Journal of Computer Assisted Tomography, 2017, 41, 190-194. | 0.5 | 6 |
| 16 | Antiferromagnetic Pyrite as the Tumor Microenvironmentâ€Mediated Nanoplatform for Selfâ€Enhanced Tumor Imaging and Therapy. Advanced Materials, 2017, 29, 1701683. | 11.1 | 458 |
| 17 | High-Performance Upconversion Nanoprobes for Multimodal MR Imaging of Acute Ischemic Stroke. Small, 2016, 12, 3591-3600. | 5.2 | 30 |
| 18 | <sup>99m</sup>Tc-conjugated manganese-based mesoporous silica nanoparticles for SPECT, pH-responsive MRI and anti-cancer drug delivery. Nanoscale, 2016, 8, 19573-19580. | 2.8 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Overexpression of microRNA-141 relieves chronic constriction injury-induced neuropathic pain via targeting high-mobility group box 1. International Journal of Molecular Medicine, 2015, 36, 1433-1439. | 1.8 | 31 |
| 20 | Aquaporin-1 water permeability as a novel determinant of axonal regeneration in dorsal root ganglion neurons. Experimental Neurology, 2015, 265, 152-159. | 2.0 | 31 |
| 21 | BaHoF 5 nanoprobes as high-performance contrast agents for multi-modal CT imaging of ischemic stroke. Biomaterials, 2015, 71, 110-118. | 5.7 | 34 |
| 22 | Greatly improved survival and neuroprotection in aquaporinâ€4â€knockout mice following global cerebral ischemia. FASEB Journal, 2014, 28, 705-714. | 0.2 | 75 |
| 23 | Longitudinally extensive NMO spinal cord pathology produced by passive transfer of NMO-IgG in mice lacking complement inhibitor CD59. Journal of Autoimmunity, 2014, 53, 67-77. | 3.0 | 51 |
| 24 | C1q-targeted monoclonal antibody prevents complement-dependent cytotoxicity and neuropathology in in vitro and mouse models of neuromyelitis optica. Acta Neuropathologica, 2013, 125, 829-840. | 3.9 | 57 |
| 25 | Response to â€œWhen can AQP4 assist transporter-mediated K+ uptake?â€. Journal of General Physiology, 2013, 142, 91-92. | 0.9 | 0 |
| 26 | Aquaporin-4â€“dependent K+ and water transport modeled in brain extracellular space following neuroexcitation. Journal of General Physiology, 2013, 141, 119-132. | 0.9 | 70 |
| 27 | Enzymatic deglycosylation converts pathogenic neuromyelitis optica antiâ€“aquaporinâ€4 immunoglobulin G into therapeutic antibody. Annals of Neurology, 2013, 73, 77-85. | 2.8 | 83 |
| 28 | Eosinophil pathogenicity mechanisms and therapeutics in neuromyelitis optica. Journal of Clinical Investigation, 2013, 123, 2306-2316. | 3.9 | 111 |
| 29 | A Small-molecule Screen Yields Idiotype-specific Blockers of Neuromyelitis Optica Immunoglobulin G Binding to Aquaporin-4. Journal of Biological Chemistry, 2012, 287, 36837-36844. | 1.6 | 18 |
| 30 | Smallâ€molecule inhibitors of NMOâ€IgG binding to aquaporinâ€4 reduce astrocyte cytotoxicity in neuromyelitis optica. FASEB Journal, 2012, 26, 2197-2208. | 0.2 | 76 |
| 31 | Antiâ€“Aquaporinâ€4 monoclonal antibody blocker therapy for neuromyelitis optica. Annals of Neurology, 2012, 71, 314-322. | 2.8 | 232 |
| 32 | Neuromyelitis optica IgG and natural killer cells produce NMO lesions in mice without myelin loss. Acta Neuropathologica, 2012, 123, 861-872. | 3.9 | 97 |
| 33 | Aquaporin-4: orthogonal array assembly, CNS functions, and role in neuromyelitis optica. Acta Pharmacologica Sinica, 2011, 32, 702-710. | 2.8 | 79 |
| 34 | Ex vivo spinal cord slice model of neuromyelitis optica reveals novel immunopathogenic mechanisms. Annals of Neurology, 2011, 70, 943-954. | 2.8 | 142 |
| 35 | Proinflammatory role of aquaporinâ€4 in autoimmune neuroinflammation. FASEB Journal, 2011, 25, 1556-1566. | 0.2 | 159 |
| 36 | Aquaporin-1 Tunes Pain Perception by Interaction with Nav1.8 Na+ Channels in Dorsal Root Ganglion Neurons. Journal of Biological Chemistry, 2010, 285, 5896-5906. | 1.6 | 58 |

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|---|---|---|---|
| 37 | Microfiberoptic Measurement of Extracellular Space Volume in Brain and Tumor Slices Based on Fluorescent Dye Partitioning. Biophysical Journal, 2010, 99, 1284-1291. | 0.2 | 45 |
| 38 | Very high aquaporin-1 facilitated water permeability in mouse gallbladder. American Journal of Physiology - Renal Physiology, 2009, 296, G816-G822. | 1.6 | 30 |
| 39 | Greatly attenuated experimental autoimmune encephalomyelitis in aquaporin-4 knockout mice. BMC Neuroscience, 2009, 10, 94. | 0.8 | 55 |
| 40 | Extracellular Space Volume Measured by Two-Color Pulsed Dye Infusion with Microfiberoptic Fluorescence Photodetection. Biophysical Journal, 2009, 96, 2382-2390. | 0.2 | 27 |
| 41 | PKCâˆ’Dependent Potentiation of TTX-Resistant Na<sub>V</sub>1.8 Current by Neurokinin-1 Receptor Activation in Rat Dorsal Root Ganglion Neurons. Molecular Pain, 2009, 5, 1744-8069-5-33. | 1.0 | 50 |
| 42 | Lack of aquaporin-4 water transport inhibition by antiepileptics and arylsulfonamides. Bioorganic and Medicinal Chemistry, 2008, 16, 7489-7493. | 1.4 | 73 |
| 43 | Aquaporin-4 independent Kir4.1 K+ channel function in brain glial cells. Molecular and Cellular Neurosciences, 2008, 37, 1-10. | 1.0 | 92 |
| 44 | Evidence against Involvement of Aquaporin-4 in Cellâ€“Cell Adhesion. Journal of Molecular Biology, 2008, 382, 1136-1143. | 2.0 | 46 |
| 45 | Impaired olfaction in mice lacking aquaporinâ€4 water channels. FASEB Journal, 2008, 22, 3216-3223. | 0.2 | 93 |
| 46 | Evidence against Functional Interaction between Aquaporin-4 Water Channels and Kir4.1 Potassium Channels in Retinal MÃ¼ller Cells. Journal of Biological Chemistry, 2007, 282, 21866-21872. | 1.6 | 97 |
| 47 | Neurokinin-1 Receptor Enhances TRPV1 Activity in Primary Sensory Neurons via PKCÎµ: A Novel Pathway for Heat Hyperalgesia. Journal of Neuroscience, 2007, 27, 12067-12077. | 1.7 | 173 |