Zhifeng Shi

List of Publications by Year
in descending order

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59 papers	1,713 citations	331670 21 h-index	289244 40 g-index
61 all docs	61 docs citations	61 times ranked	2835 citing authors

#	Article	IF	Citations
1	Combined Radiomics Model for Prediction of Hematoma Progression and Clinical Outcome of Cerebral Contusions in Traumatic Brain Injury. Neurocritical Care, 2022, 36, 441-451.	2.4	10
2	Phospholipase CÎ³1 (PLCG1) overexpression is associated with tumor growth and poor survival in IDH wild-type lower-grade gliomas in adult patients. Laboratory Investigation, 2022, 102, 143-153.	3.7	14
3	Silk Microneedle Patch Capable of Onâ€Demand Multidrug Delivery to the Brain for Glioblastoma Treatment. Advanced Materials, 2022, 34, e2106606.	21.0	73
4	How I do it: surgical resection of ventrolateral pontomesencephalic junction glioma via oculomotor-tentorial triangle. Acta Neurochirurgica, 2022, 164, 757-762.	1.7	0
5	Silk Microneedle Patch Capable of Onâ€Demand Multidrug Delivery to the Brain for Glioblastoma Treatment (Adv. Mater. 1/2022). Advanced Materials, 2022, 34, .	21.0	6
6	A Modified Microscopic-Endoscopic Bilateral Transseptal Approach for Pituitary Adenomas: Comparisons of Nasal Outcome and Quality of Life Using the Microscopic Transnasal Approach. Frontiers in Oncology, 2022, 12, 778704.	2.8	2
7	Commentary: Resection of a Vestibular Schwannoma Using the Retrosigmoid Approach in a Patient With a High Jugular Bulb: 2-Dimensional Operative Video. Operative Neurosurgery, 2022, 22, e229-e230.	0.8	0
8	Cerebrovascular Dysregulation in Patients with Glioma Assessed with Time-shifted BOLD fMRI. Radiology, 2022, 304, 155-163.	7.3	7
9	A novel image signature-based radiomics method to achieve precise diagnosis and prognostic stratification of gliomas. Laboratory Investigation, 2021, 101, 450-462.	3.7	15
10	Uitra-Flexible, High-Density Neural Electrode Probes For Reliable Multi-Region Neural Activity Monitoring. , 2021, , .		0
11	MIL normalization â€"â€" prerequisites for accurate MRI radiomics analysis. Computers in Biology and Medicine, 2021, 133, 104403.	7.0	14
12	A SILK-BASED OPTO-ELECTRONIC INTEGRATED NEURAL PROBE FOR ANIMAL MOTION CONTROL. , 2021, , .		0
13	MRI-based brain tumor segmentation using FPGA-accelerated neural network. BMC Bioinformatics, 2021, 22, 421.	2.6	15
14	Embolic Stroke Model with Magnetic Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 43993-44001.	8.0	7
15	Molecular subgrouping of medulloblastoma based on few-shot learning of multitasking using conventional MR images: a retrospective multicenter study. Neuro-Oncology Advances, 2020, 2, vdaa079.	0.7	5
16	Bodyâ€Integrated, Enzymeâ€Triggered Degradable, Silkâ€Based Mechanical Sensors for Customized Health/Fitness Monitoring and In Situ Treatment. Advanced Science, 2020, 7, 1903802.	11.2	64
17	Allâ€Aqueousâ€Processed Injectable In Situ Forming Macroporous Silk Gel Scaffolds for Minimally Invasive Intracranial and Osteological Therapies. Advanced Healthcare Materials, 2020, 9, e2000879.	7.6	7
18	Implantable, Degradable, Therapeutic Terahertz Metamaterial Devices. Small, 2020, 16, e2000294.	10.0	18

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19	Ten-Segment Intramedullary Ependymoma and Whole Spinal Syringomyelia. World Neurosurgery, 2020, 139, 20-22.	1.3	1
20	Heterogeneous and Multifunctional Silk Microneedles for in Situ Treatment of Brain Glioma. , 2020, , .		1
21	Ultra-Thin, Ultra-Conformal Neural Interfaces. , 2020, , .		2
22	Hemisphere-Specific Functional Remodeling and Its Relevance to Tumor Malignancy of Cerebral Glioma Based on Resting-State Functional Network Analysis. Frontiers in Neuroscience, 2020, 14, 611075.	2.8	4
23	Microvascularity detection and quantification in glioma: a novel deep-learning-based framework. Laboratory Investigation, 2019, 99, 1515-1526.	3.7	15
24	Brainâ€“Machine Interfaces: Silkâ€Enabled Conformal Multifunctional Bioelectronics for Investigation of Spatiotemporal Epileptiform Activities and Multimodal Neural Encoding/Decoding (Adv. Sci. 9/2019). Advanced Science, 2019, 6, 1970056.	11.2	1
25	A sparse representationâ€based radiomics for outcome prediction of higher grade gliomas. Medical Physics, 2019, 46, 250-261.	3.0	20
26	Evaluation of Brain Tumor in Small Animals Using Plane Wave-Based Power Doppler Imaging. Ultrasound in Medicine and Biology, 2019, 45, 811-822.	1.5	16
27	Noninvasive molecular diagnosis of craniopharyngioma with MRI-based radiomics approach. BMC Neurology, 2019, 19, 6.	1.8	32
28	Neural Coding of Cell Assemblies via Spike-Timing Self-Information. Cerebral Cortex, 2018, 28, 2563-2576.	2.9	3
29	Protein Bricks: 2D and 3D Bioâ€Nanostructures with Shape and Function on Demand. Advanced Materials, 2018, 30, e1705919.	21.0	50
30	A Silk Cranial Fixation System for Neurosurgery. Advanced Healthcare Materials, 2018, 7, e1701359.	7.6	25
31	Neurosurgery: A Silk Cranial Fixation System for Neurosurgery (Adv. Healthcare Mater. 6/2018). Advanced Healthcare Materials, 2018, 7, 1870029.	7.6	2
32	Sparse Representation-Based Radiomics for the Diagnosis of Brain Tumors. IEEE Transactions on Medical Imaging, 2018, 37, 893-905.	8.9	77
33	Water Lithography: â€œPrint-to-patternâ€• Silk-Based Water Lithography (Small 47/2018). Small, 2018, 14, 1870223.	10.0	1
34	WW domainâ€“mediated regulation and activation of E3 ubiquitin ligase Suppressor of Deltex. Journal of Biological Chemistry, 2018, 293, 16697-16708.	3.4	18
35	â€œPrintâ€toâ€patternâ€• Silkâ€Based Water Lithography. Small, 2018, 14, e1802953.	10.0	11
36	Multispectral Imaging: Multicolor Tâ€Ray Imaging Using Multispectral Metamaterials (Adv. Sci. 7/2018). Advanced Science, 2018, 5, 1870044.	11.2	1

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37	Oligodendrogliomas in pediatric and teenage patients only rarely exhibit molecular markers and patients have excellent survivals. Journal of Neuro-Oncology, 2018, 139, 307-322.	2.9	2
38	Prediction of the anti-glioma therapeutic effects of temozolomide through in vivo molecular imaging of MMP expression. Biomedical Optics Express, 2018, 9, 3193.	2.9	7
39	Selfâ€Powered Multifunctional Transient Bioelectronics. Small, 2018, 14, e1802050.	10.0	47
40	Bio-Nanostructures: Protein Bricks: 2D and 3D Bio-Nanostructures with Shape and Function on Demand (Adv. Mater. 20/2018). Advanced Materials, 2018, 30, 1870141.	21.0	3
41	Identification of recurrent USP48 and BRAF mutations in Cushingâ€™s disease. Nature Communications, 2018, 9, 3171.	12.8	106
42	The Use of Functionalized Silk Fibroin Films as a Platform for Optical Diffractionâ€Based Sensing Applications. Advanced Materials, 2017, 29, 1605471.	21.0	127
43	Germline Mutations in CDH23, Encoding Cadherin-Related 23, Are Associated with Both Familial and Sporadic Pituitary Adenomas. American Journal of Human Genetics, 2017, 100, 817-823.	6.2	57
44	Adult IDH wild-type lower-grade gliomas should be further stratified. Neuro-Oncology, 2017, 19, 1327-1337.	1.2	177
45	Noninvasive IDH1 mutation estimation based on a quantitative radiomics approach for grade II glioma. European Radiology, 2017, 27, 3509-3522.	4.5	183
46	Anatomical location differences between mutated and wild-type isocitrate dehydrogenase 1 in low-grade gliomas. International Journal of Neuroscience, 2017, 127, 873-880.	1.6	15
47	Biopatterning: Precise Protein Photolithography (P³): High Performance Biopatterning Using Silk Fibroin Light Chain as the Resist (Adv. Sci. 9/2017). Advanced Science, 2017, 4, .	11.2	0
48	Low-Grade Glioma Segmentation Based on CNN with Fully Connected CRF. Journal of Healthcare Engineering, 2017, 2017, 1-12.	1.9	28
49	Anatomic mapping of molecular subtypes in diffuse glioma. BMC Neurology, 2017, 17, 183.	1.8	14
50	Magnetofection Based on Superparamagnetic Iron Oxide Nanoparticles Weakens Glioma Stem Cell Proliferation and Invasion by Mediating High Expression of MicroRNA-374a. Journal of Cancer, 2016, 7, 1487-1496.	2.5	24
51	Not all 1p/19q non-codeleted oligodendroglial tumors are astrocytic. Oncotarget, 2016, 7, 64615-64630.	1.8	22
52	Nanoscale probing of electron-regulated structural transitions in silk proteins by near-field IR imaging and nano-spectroscopy. Nature Communications, 2016, 7, 13079.	12.8	78
53	Biomarker-based prognostic stratification of young adult glioblastoma. Oncotarget, 2016, 7, 5030-5041.	1.8	45
54	Combination genetic signature stratifies lower-grade gliomas better than histological grade. Oncotarget, 2015, 6, 20885-20901.	1.8	42

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55	Common variants at 10p12.31, 10q21.1 and 13q12.13 are associated with sporadic pituitary adenoma. Nature Genetics, 2015, 47, 793-797.	21.4	43
56	Brain tumor segmentation in MR slices using improved GrowCut algorithm. Proceedings of SPIE, 2015, , .	0.8	2
57	TERT promoter mutations contribute to subset prognostication of lower-grade gliomas. Modern Pathology, 2015, 28, 177-186.	5.5	107
58	Loss of CIC and FUBP1 expressions are potential markers of shorter time to recurrence in oligodendroglial tumors. Modern Pathology, 2014, 27, 332-342.	5.5	45
59	Liangfu Zhou: Clinical Neurosurgeon, Academician, Teacher, and Friend. World Neurosurgery, 2012, 77, 220-225.	1.3	2