

# Zhifeng Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Noninvasive IDH1 mutation estimation based on a quantitative radiomics approach for grade II glioma. <i>European Radiology</i> , 2017, 27, 3509-3522.	4.5	183
2	Adult IDH wild-type lower-grade gliomas should be further stratified. <i>Neuro-Oncology</i> , 2017, 19, 1327-1337.	1.2	177
3	The Use of Functionalized Silk Fibroin Films as a Platform for Optical Diffraction-Based Sensing Applications. <i>Advanced Materials</i> , 2017, 29, 1605471.	21.0	127
4	TERT promoter mutations contribute to subset prognostication of lower-grade gliomas. <i>Modern Pathology</i> , 2015, 28, 177-186.	5.5	107
5	Identification of recurrent USP48 and BRAF mutations in Cushing's disease. <i>Nature Communications</i> , 2018, 9, 3171.	12.8	106
6	Nanoscale probing of electron-regulated structural transitions in silk proteins by near-field IR imaging and nano-spectroscopy. <i>Nature Communications</i> , 2016, 7, 13079.	12.8	78
7	Sparse Representation-Based Radiomics for the Diagnosis of Brain Tumors. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 893-905.	8.9	77
8	Silk Microneedle Patch Capable of On-Demand Multidrug Delivery to the Brain for Glioblastoma Treatment. <i>Advanced Materials</i> , 2022, 34, e2106606.	21.0	73
9	Body-Integrated, Enzyme-Triggered Degradable, Silk-Based Mechanical Sensors for Customized Health/Fitness Monitoring and In Situ Treatment. <i>Advanced Science</i> , 2020, 7, 1903802.	11.2	64
10	Germline Mutations in CDH23, Encoding Cadherin-Related 23, Are Associated with Both Familial and Sporadic Pituitary Adenomas. <i>American Journal of Human Genetics</i> , 2017, 100, 817-823.	6.2	57
11	Protein Bricks: 2D and 3D Bio-Nanostructures with Shape and Function on Demand. <i>Advanced Materials</i> , 2018, 30, e1705919.	21.0	50
12	Self-Powered Multifunctional Transient Bioelectronics. <i>Small</i> , 2018, 14, e1802050.	10.0	47
13	Loss of CIC and FUBP1 expressions are potential markers of shorter time to recurrence in oligodendroglial tumors. <i>Modern Pathology</i> , 2014, 27, 332-342.	5.5	45
14	Biomarker-based prognostic stratification of young adult glioblastoma. <i>Oncotarget</i> , 2016, 7, 5030-5041.	1.8	45
15	Common variants at 10p12.31, 10q21.1 and 13q12.13 are associated with sporadic pituitary adenoma. <i>Nature Genetics</i> , 2015, 47, 793-797.	21.4	43
16	Combination genetic signature stratifies lower-grade gliomas better than histological grade. <i>Oncotarget</i> , 2015, 6, 20885-20901.	1.8	42
17	Noninvasive molecular diagnosis of craniopharyngioma with MRI-based radiomics approach. <i>BMC Neurology</i> , 2019, 19, 6.	1.8	32
18	Low-Grade Glioma Segmentation Based on CNN with Fully Connected CRF. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-12.	1.9	28

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19	A Silk Cranial Fixation System for Neurosurgery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701359.	7.6	25
20	Magnetofection Based on Superparamagnetic Iron Oxide Nanoparticles Weakens Glioma Stem Cell Proliferation and Invasion by Mediating High Expression of MicroRNA-374a. <i>Journal of Cancer</i> , 2016, 7, 1487-1496.	2.5	24
21	Not all 1p/19q non-codeleted oligodendroglial tumors are astrocytic. <i>Oncotarget</i> , 2016, 7, 64615-64630.	1.8	22
22	A sparse representation-based radiomics for outcome prediction of higher grade gliomas. <i>Medical Physics</i> , 2019, 46, 250-261.	3.0	20
23	WW domain-mediated regulation and activation of E3 ubiquitin ligase Suppressor of Deltex. <i>Journal of Biological Chemistry</i> , 2018, 293, 16697-16708.	3.4	18
24	Implantable, Degradable, Therapeutic Terahertz Metamaterial Devices. <i>Small</i> , 2020, 16, e2000294.	10.0	18
25	Evaluation of Brain Tumor in Small Animals Using Plane Wave-Based Power Doppler Imaging. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 811-822.	1.5	16
26	Anatomical location differences between mutated and wild-type isocitrate dehydrogenase 1 in low-grade gliomas. <i>International Journal of Neuroscience</i> , 2017, 127, 873-880.	1.6	15
27	Microvascularity detection and quantification in glioma: a novel deep-learning-based framework. <i>Laboratory Investigation</i> , 2019, 99, 1515-1526.	3.7	15
28	A novel image signature-based radiomics method to achieve precise diagnosis and prognostic stratification of gliomas. <i>Laboratory Investigation</i> , 2021, 101, 450-462.	3.7	15
29	MRI-based brain tumor segmentation using FPGA-accelerated neural network. <i>BMC Bioinformatics</i> , 2021, 22, 421.	2.6	15
30	Anatomic mapping of molecular subtypes in diffuse glioma. <i>BMC Neurology</i> , 2017, 17, 183.	1.8	14
31	MIL normalization prerequisites for accurate MRI radiomics analysis. <i>Computers in Biology and Medicine</i> , 2021, 133, 104403.	7.0	14
32	Phospholipase C <sup>3</sup> 1 (PLCG1) overexpression is associated with tumor growth and poor survival in IDH wild-type lower-grade gliomas in adult patients. <i>Laboratory Investigation</i> , 2022, 102, 143-153.	3.7	14
33	Printed pattern-based Water Lithography. <i>Small</i> , 2018, 14, e1802953.	10.0	11
34	Combined Radiomics Model for Prediction of Hematoma Progression and Clinical Outcome of Cerebral Contusions in Traumatic Brain Injury. <i>Neurocritical Care</i> , 2022, 36, 441-451.	2.4	10
35	Prediction of the anti-glioma therapeutic effects of temozolomide through in vivo molecular imaging of MMP expression. <i>Biomedical Optics Express</i> , 2018, 9, 3193.	2.9	7
36	Aqueous-Processed Injectable In Situ Forming Macroporous Silk Gel Scaffolds for Minimally Invasive Intracranial and Osteological Therapies. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000879.	7.6	7

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37	Emboic Stroke Model with Magnetic Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 43993-44001.	8.0	7
38	Cerebrovascular Dysregulation in Patients with Glioma Assessed with Time-shifted BOLD fMRI. Radiology, 2022, 304, 155-163.	7.3	7
39	Silk Microneedle Patch Capable of On-Demand Multidrug Delivery to the Brain for Glioblastoma Treatment (Adv. Mater. 1/2022). Advanced Materials, 2022, 34, .	21.0	6
40	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
41	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
42	Neural Coding of Cell Assemblies via Spike-Timing Self-Information. Cerebral Cortex, 2018, 28, 2563-2576.	2.9	3
43	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
44	Liangfu Zhou: Clinical Neurosurgeon, Academician, Teacher, and Friend. World Neurosurgery, 2012, 77, 220-225.	1.3	2
45	Brain tumor segmentation in MR slices using improved GrowCut algorithm. Proceedings of SPIE, 2015, , .	0.8	2
46	Neurosurgery: A Silk Cranial Fixation System for Neurosurgery (Adv. Healthcare Mater. 6/2018). Advanced Healthcare Materials, 2018, 7, 1870029.	7.6	2
47	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
48	Ultra-Thin, Ultra-Conformal Neural Interfaces. , 2020, , .		2
49	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
50	Water Lithography: "Print-to-pattern" Silk-Based Water Lithography (Small 47/2018). Small, 2018, 14, 1870223.	10.0	1
51	Multispectral Imaging: Multicolor Ray Imaging Using Multispectral Metamaterials (Adv. Sci. 7/2018). Advanced Science, 2018, 5, 1870044.	11.2	1
52	Brain "Machine Interfaces: Silk-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
53	Ten-Segment Intramedullary Ependymoma and Whole Spinal Syringomyelia. World Neurosurgery, 2020, 139, 20-22.	1.3	1
54	Heterogeneous and Multifunctional Silk Microneedles for in Situ Treatment of Brain Glioma. , 2020, , .		1

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55	Biopatterning: Precise Protein Photolithography ( $P < 3 < /sup >$ ): High Performance Biopatterning Using Silk Fibroin Light Chain as the Resist (Adv. Sci. 9/2017). Advanced Science, 2017, 4, .	11.2	0
56	Ultra-Flexible, High-Density Neural Electrode Probes For Reliable Multi-Region Neural Activity Monitoring. , 2021, , .		0
57	A SILK-BASED OPTO-ELECTRONIC INTEGRATED NEURAL PROBE FOR ANIMAL MOTION CONTROL. , 2021, , .		0
58	How I do it: surgical resection of ventrolateral pontomesencephalic junction glioma via oculomotor-tentorial triangle. Acta Neurochirurgica, 2022, 164, 757-762.	1.7	0
59	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