

Yazhuo Zhang

List of Publications by Year in descending order

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118
papers

3,589
citations

304743

22
h-index

161849

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125
all docs

125
docs citations

125
times ranked

4694
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence, Incidence, and Mortality of Stroke in China. <i>Circulation</i> , 2017, 135, 759-771.	1.6	1,450
2	A deep learning model integrating FCNNs and CRFs for brain tumor segmentation. <i>Medical Image Analysis</i> , 2018, 43, 98-111.	11.6	568
3	Non-invasive radiomics approach potentially predicts non-functioning pituitary adenomas subtypes before surgery. <i>European Radiology</i> , 2018, 28, 3692-3701.	4.5	58
4	Intracranial pressure (ICP) and optic nerve subarachnoid space pressure (ONSP) correlation in the optic nerve chamber: the Beijing Intracranial and Intraocular Pressure (iCOP) study. <i>Brain Research</i> , 2016, 1635, 201-208.	2.2	56
5	Whole genome sequencing of skull-base chordoma reveals genomic alterations associated with recurrence and chordoma-specific survival. <i>Nature Communications</i> , 2021, 12, 757.	12.8	55
6	Classification and surgical approaches for transnasal endoscopic skull base chordoma resection: a 6-year experience with 161 cases. <i>Neurosurgical Review</i> , 2016, 39, 321-333.	2.4	43
7	Functions and Mechanisms of Tumor Necrosis Factor- β and Noncoding RNAs in Bone-Invasive Pituitary Adenomas. <i>Clinical Cancer Research</i> , 2018, 24, 5757-5766.	7.0	43
8	The role of FSCN1 in migration and invasion of pituitary adenomas. <i>Molecular and Cellular Endocrinology</i> , 2016, 419, 217-224.	3.2	40
9	Endoscopic transsphenoidal treatment of pituitary adenomas. <i>Neurological Research</i> , 2008, 30, 581-586.	1.3	38
10	Somatic SF3B1 hotspot mutation in prolactinomas. <i>Nature Communications</i> , 2020, 11, 2506.	12.8	38
11	The role of TGF- β ² /Smad signaling in dopamine agonist-resistant prolactinomas. <i>Molecular and Cellular Endocrinology</i> , 2015, 402, 64-71.	3.2	34
12	Lower PRDM2 expression is associated with dopamine-agonist resistance and tumor recurrence in prolactinomas. <i>BMC Cancer</i> , 2015, 15, 272.	2.6	34
13	Surgical resection of unilateral thalamic tumors in adults: approaches and outcomes. <i>BMC Neurology</i> , 2015, 15, 229.	1.8	32
14	EGFL7 participates in regulating biological behavior of growth hormone-secreting pituitary adenomas via Notch2/DLL3 signaling pathway. <i>Tumor Biology</i> , 2017, 39, 101042831770620.	1.8	32
15	DAPT, a β -Secretase Inhibitor, Suppresses Tumorigenesis, and Progression of Growth Hormone-Producing Adenomas by Targeting Notch Signaling. <i>Frontiers in Oncology</i> , 2019, 9, 809.	2.8	31
16	A modified endovascular treatment protocol for iatrogenic internal carotid artery injuries following endoscopic endonasal surgery. <i>Journal of Neurosurgery</i> , 2020, 132, 343-350.	1.6	31
17	Long non-coding RNA C5orf66-AS1 is downregulated in pituitary null cell adenomas and is associated with their invasiveness. <i>Oncology Reports</i> , 2017, 38, 1140-1148.	2.6	30
18	Identification of Serum miRNA-423-5p Expression Signature in Somatotroph Adenomas. <i>International Journal of Endocrinology</i> , 2019, 2019, 1-12.	1.5	30

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19	Whole-exome sequencing identifies variants in invasive pituitary adenomas. <i>Oncology Letters</i> , 2016, 12, 2319-2328.	1.8	26
20	Integration of Proteomics and Metabolomics Revealed Metabolite-Protein Networks in ACTH-Secreting Pituitary Adenoma. <i>Frontiers in Endocrinology</i> , 2018, 9, 678.	3.5	25
21	Pressure balance and imbalance in the optic nerve chamber: The Beijing Intracranial and Intraocular Pressure (iCOP) Study. <i>Science China Life Sciences</i> , 2016, 59, 495-503.	4.9	24
22	ESR1 and its antagonist fulvestrant in pituitary adenomas. <i>Molecular and Cellular Endocrinology</i> , 2017, 443, 32-41.	3.2	23
23	Genome-wide analysis of differentially expressed lncRNAs and mRNAs in primary gonadotrophin adenomas by RNA-seq. <i>Oncotarget</i> , 2017, 8, 4595-4606.	1.8	23
24	Assessment of endoscopic treatment for quadrigeminal cistern arachnoid cysts: A 7-year experience with 28 cases. <i>Child's Nervous System</i> , 2016, 32, 647-654.	1.1	21
25	Differences in Dural Penetration of Clival Chordomas Are Associated with Different Prognosis and Expression of Platelet-Derived Growth Factor Receptor- β . <i>World Neurosurgery</i> , 2017, 98, 288-295.	1.3	21
26	Upregulation of cyclin B1 plays potential roles in the invasiveness of pituitary adenomas. <i>Journal of Clinical Neuroscience</i> , 2017, 43, 267-273.	1.5	20
27	Up-regulation of the expressions of MiR-149-5p and MiR-99a-3p in exosome inhibits the progress of pituitary adenomas. <i>Cell Biology and Toxicology</i> , 2021, 37, 633-651.	5.3	20
28	Identification of Differentially Expressed Genes in Pituitary Adenomas by Integrating Analysis of Microarray Data. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-7.	1.5	19
29	Analysis of clinical factors and PDGFR- β in predicting prognosis of patients with clival chordoma. <i>Journal of Neurosurgery</i> , 2018, 129, 1429-1437.	1.6	19
30	Overexpression of the cell adhesion molecule claudin-9 is associated with invasion in pituitary oncocytomas. <i>Human Pathology</i> , 2014, 45, 2423-2429.	2.0	18
31	Surgical outcome of encapsulated brain abscess in superficial non-eloquent area: A systematic review. <i>British Journal of Neurosurgery</i> , 2016, 30, 29-34.	0.8	18
32	Analysis of Ki67, HMGA1, MDM2, and RB expression in nonfunctioning pituitary adenomas. <i>Journal of Neuro-Oncology</i> , 2017, 132, 199-206.	2.9	18
33	Identification of key genes in invasive clinically non-functioning pituitary adenoma by integrating analysis of DNA methylation and mRNA expression profiles. <i>Journal of Translational Medicine</i> , 2019, 17, 407.	4.4	18
34	Low expression of secreted frizzled-related protein 2 and nuclear accumulation of β -catenin in aggressive nonfunctioning pituitary adenoma. <i>Oncology Letters</i> , 2016, 12, 199-206.	1.8	17
35	Clinical Features and Prognostic Factors of Children and Adolescents with Clival Chordomas. <i>World Neurosurgery</i> , 2017, 98, 323-328.	1.3	17
36	Enhancement of mitochondrial biogenesis and paradoxical inhibition of lactate dehydrogenase mediated by 14-3-3 σ in oncocytomas. <i>Journal of Pathology</i> , 2018, 245, 361-372.	4.5	17

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37	Application of endoscopic third ventriculostomy for treating hydrocephalus-correlated Chiari type I malformation in a single Chinese neurosurgery centre. <i>Neurosurgical Review</i> , 2018, 41, 249-254.	2.4	17
38	Role of EGFL7/EGFR-signaling pathway in migration and invasion of growth hormone-producing pituitary adenomas. <i>Science China Life Sciences</i> , 2018, 61, 893-901.	4.9	16
39	CCNB1 affects cavernous sinus invasion in pituitary adenomas through the epithelial-mesenchymal transition. <i>Journal of Translational Medicine</i> , 2019, 17, 336.	4.4	16
40	Phosphorylation of kinase insert domain receptor by cyclin-dependent kinase 5 at serine 229 is associated with invasive behavior and poor prognosis in prolactin pituitary adenomas. <i>Oncotarget</i> , 2016, 7, 50883-50894.	1.8	16
41	High Level of METTL7B Indicates Poor Prognosis of Patients and Is Related to Immunity in Glioma. <i>Frontiers in Oncology</i> , 2021, 11, 650534.	2.8	15
42	SNF5 as a prognostic factor in skull base chordoma. <i>Journal of Neuro-Oncology</i> , 2018, 137, 139-146.	2.9	14
43	Long-Term Follow-Up Studies of Gamma Knife Radiosurgery for Postsurgical Nonfunctioning Pituitary Adenomas. <i>World Neurosurgery</i> , 2019, 124, e715-e723.	1.3	14
44	Smad3 and phospho-Smad3 are potential markers of invasive nonfunctioning pituitary adenomas. <i>OncoTargets and Therapy</i> , 2016, 9, 2265.	2.0	13
45	Global expression profile of tumor stem-like cells isolated from MMQ rat prolactinoma cell. <i>Cancer Cell International</i> , 2017, 17, 15.	4.1	13
46	Increased β -catenin and c-myc expression predict aggressive growth of non-functioning pituitary adenomas: An assessment using a tissue microarray-based approach. <i>Molecular Medicine Reports</i> , 2017, 15, 1793-1799.	2.4	13
47	Mixed gangliocytoma-pituitary adenoma in the sellar region: a large-scale single-center experience. <i>Acta Neurochirurgica</i> , 2018, 160, 1989-1999.	1.7	13
48	Mid-term follow-up surgical results in 284 cases of clival chordomas: the risk factors for outcome and tumor recurrence. <i>Neurosurgical Review</i> , 2022, 45, 1451-1462.	2.4	13
49	Alterations of regional homogeneity and functional connectivity in pituitary adenoma patients with visual impairment. <i>Scientific Reports</i> , 2017, 7, 13074.	3.3	12
50	Identification of a novel somatic mutation of <i>POU6F2</i> by whole-genome sequencing in prolactinoma. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e1022.	1.2	12
51	Transcortical approach for insular gliomas: a series of 253 patients. <i>Journal of Neuro-Oncology</i> , 2020, 147, 59-66.	2.9	12
52	Mean platelet volume and platelet distribution width serve as prognostic biomarkers in skull base chordoma: a retrospective study. <i>BMC Cancer</i> , 2020, 20, 988.	2.6	11
53	LncRNA PCAT6 regulates the progression of pituitary adenomas by regulating the miR-139-3p/BRD4 axis. <i>Cancer Cell International</i> , 2021, 21, 14.	4.1	11
54	A nomogram to predict the progression-free survival of clival chordoma. <i>Journal of Neurosurgery</i> , 2021, 134, 144-152.	1.6	11

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55	The SF3B1R625H mutation promotes prolactinoma tumor progression through aberrant splicing of DLG1. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 26.	8.6	11
56	The clinical characteristics and molecular mechanism of pituitary adenoma associated with meningioma. <i>Journal of Translational Medicine</i> , 2019, 17, 354.	4.4	10
57	The Apoptosis Regulator 14-3-3 β and Its Potential as a Therapeutic Target in Pituitary Oncocytoma. <i>Frontiers in Endocrinology</i> , 2019, 10, 797.	3.5	10
58	Metabolic profiling of acromegaly using a GC-MS-based nontargeted metabolomic approach. <i>Endocrine</i> , 2020, 67, 433-441.	2.3	10
59	A two-circRNA signature predicts tumour recurrence in clinical non-functioning pituitary adenoma. <i>Oncology Reports</i> , 2018, 41, 113-124.	2.6	9
60	Metabolic profiling reveals distinct metabolic alterations in different subtypes of pituitary adenomas and confers therapeutic targets. <i>Journal of Translational Medicine</i> , 2019, 17, 291.	4.4	9
61	Predicting the regrowth of clinically non-functioning pituitary adenoma with a statistical model. <i>Journal of Translational Medicine</i> , 2019, 17, 164.	4.4	9
62	<p></p>Prognostic Value of Cumulative Score Based on Preoperative Fibrinogen and Albumin Level in Skull Base Chordoma</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 8337-8346.	2.0	9
63	JAG1, Regulated by microRNA-424-3p, Involved in Tumorigenesis and Epithelial-Mesenchymal Transition of High Proliferative Potential-Pituitary Adenomas. <i>Frontiers in Oncology</i> , 2020, 10, 567021.	2.8	9
64	Proteomics Analysis Identified ASNS as a Novel Biomarker for Predicting Recurrence of Skull Base Chordoma. <i>Frontiers in Oncology</i> , 2021, 11, 698497.	2.8	9
65	Loss of SMARCB1 promotes autophagy and facilitates tumour progression in chordoma by transcriptionally activating ATG5. <i>Cell Proliferation</i> , 2021, 54, e13136.	5.3	9
66	Predictive Value of Transforming Growth Factor- β and Ki-67 for the Prognosis of Skull Base Chordoma. <i>World Neurosurgery</i> , 2019, 129, e199-e206.	1.3	8
67	Impact of SLC20A1 on the Wnt/catenin signaling pathway in somatotroph adenomas. <i>Molecular Medicine Reports</i> , 2019, 20, 3276-3284.	2.4	8
68	Comparative evaluation of neuroendocrine dysfunction in children with craniopharyngiomas before and after mass effects are removed. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2019, 32, 127-133.	0.9	8
69	The Functional Reorganization of Language Network Modules in Glioma Patients: New Insights From Resting State fMRI Study. <i>Frontiers in Oncology</i> , 2021, 11, 617179.	2.8	8
70	Identifying critical protein-coding genes and long non-coding RNAs in non-functioning pituitary adenoma recurrence. <i>Oncology Letters</i> , 2021, 21, 264.	1.8	8
71	The role of serum growth hormone and insulin-like growth factor-1 in adult humans brain morphology. <i>Aging</i> , 2020, 12, 1377-1396.	3.1	8
72	Structural plasticity of the bilateral hippocampus in glioma patients. <i>Aging</i> , 2020, 12, 10259-10274.	3.1	8

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73	Expanded Transsphenoidal Trans-Lamina Terminalis Approach to Tumors Extending Into the Third Ventricle: Technique Notes and a Single Institute Experience. <i>Frontiers in Oncology</i> , 2021, 11, 761281.	2.8	8
74	Intraoperative Hemorrhage in Ventriculoscopic Surgery: Experience of a Single Chinese Neurosurgery Center. <i>World Neurosurgery</i> , 2016, 88, 548-551.	1.3	7
75	Solitary subdural osteoma: A case report and literature review. <i>Oncology Letters</i> , 2016, 12, 1023-1026.	1.8	7
76	Aberrant Expression of Extracellular Signal-Regulated Kinase and 15-Hydroxyprostaglandin Dehydrogenase Indicates Radiation Resistance and Poor Prognosis for Patients with Clival Chordomas. <i>World Neurosurgery</i> , 2018, 115, e146-e151.	1.3	7
77	Neuro-endoscope for skull base tumors. <i>Clinical Neurology and Neurosurgery</i> , 2018, 170, 102-105.	1.4	7
78	Immunohistochemical Study of NR2C2, BTG2, TBX19, and CDK2 Expression in 31 Paired Primary/Recurrent Nonfunctioning Pituitary Adenomas. <i>International Journal of Endocrinology</i> , 2019, 2019, 1-8.	1.5	7
79	Differential Diagnosis and Treatment Modality of Parasellar Plasmacytoma: Clinical Series and Literature Review. <i>World Neurosurgery</i> , 2019, 122, e978-e988.	1.3	7
80	Expression of Cyclin E/Cdk2/p27Kip1 in Growth Hormone Adenomas. <i>World Neurosurgery</i> , 2019, 121, e45-e53.	1.3	7
81	Genomic and transcriptomic analysis of pituitary adenomas reveals the impacts of copy number variations on gene expression and clinical prognosis among prolactin-secreting subtype. <i>Aging</i> , 2021, 13, 1276-1293.	3.1	7
82	Feasibility of endoscopic endonasal resection of intrinsic third ventricular craniopharyngioma in adults. <i>Neurosurgical Review</i> , 2022, 45, 1-13.	2.4	7
83	Attenuation of EGFL7 Expression Inhibits Growth Hormone-Producing Pituitary Adenomas Growth and Invasion. <i>Human Gene Therapy</i> , 2018, 29, 1396-1406.	2.7	6
84	Screening and Identification of Key Microenvironment-Related Genes in Non-functioning Pituitary Adenoma. <i>Frontiers in Genetics</i> , 2021, 12, 627117.	2.3	6
85	Endoscopic Endonasal Surgical Strategy for Skull Base Chordomas Based on Tumor Growth Directions: Surgical Outcomes of 167 Patients During 3 Years. <i>Frontiers in Oncology</i> , 2021, 11, 724972.	2.8	6
86	Potassium Aspartate Attenuates Brain Injury Induced by Controlled Cortical Impact in Rats Through Increasing Adenosine Triphosphate (ATP) Levels, Na ⁺ /K ⁺ -ATPase Activity and Reducing Brain Edema. <i>Medical Science Monitor</i> , 2016, 22, 4894-4901.	1.1	6
87	Brain Morphometric and Functional Magnetic Resonance Imaging Study on Patients with Visual Field Defects Resulting from Suprasellar Tumors: Preoperative and Postoperative Assessment. <i>World Neurosurgery</i> , 2020, 134, e353-e359.	1.3	5
88	Clinical Implication of Systemic Immune-Inflammation Index and Prognostic Nutritional Index in Skull Base Chordoma Patients. <i>Frontiers in Oncology</i> , 2021, 11, 548325.	2.8	5
89	CDKN2A (p16INK4A) affects the anti-tumor effect of CDK inhibitor in somatotroph adenomas. <i>International Journal of Molecular Medicine</i> , 2020, 47, 500-510.	4.0	5
90	MicroRNA-146b-5p/EPHA7 axis regulates cell invasion, metastasis, proliferation, and temozolomide-induced chemoresistance via regulation of IRAK4/TRAF6/NF- κ B signaling pathway in aggressive pituitary adenoma. <i>Histology and Histopathology</i> , 2021, , 18391.	0.7	5

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91	A Series of 62 Skull Base Chordomas in Pediatric and Adolescent Patients: Clinical Characteristics, Treatments, and Outcomes. <i>Neurology India</i> , 2020, 68, 1030.	0.4	5
92	Prognostic Value of a Category Based on Electron Microscopic Features of Clival Chordomas. <i>World Neurosurgery</i> , 2017, 99, 282-287.	1.3	4
93	P21Waf1/Cip1 and p27Kip1 are correlated with the development and invasion of prolactinoma. <i>Journal of Neuro-Oncology</i> , 2018, 136, 485-494.	2.9	4
94	Association of TGF- β 1 and WIF1 Expression with 36 Paired Primary/Recurrent Nonfunctioning Pituitary Adenomas: A High-Throughput Tissue Microarrays Immunohistochemical Study. <i>World Neurosurgery</i> , 2018, 119, e23-e31.	1.3	4
95	Increased resting-state functional connectivity in suprasellar tumor patients with postoperative visual improvement. <i>International Journal of Medical Sciences</i> , 2019, 16, 1245-1253.	2.5	4
96	Application of endoscopic endonasal approach in skull base surgeries: summary of 1886 cases in a single center for 10 consecutive years. <i>Chinese Neurosurgical Journal</i> , 2020, 6, 21.	0.9	4
97	Expression of Transforming Growth Factor β 1, Smad3, and Phospho-Smad3 in Somatotropinomas and Their Relationship to Tumor Behavior. <i>World Neurosurgery</i> , 2021, 153, e20-e27.	1.3	4
98	Assessment of sFRP4 as a bio-marker for predicting aggressiveness and recurrence of growth hormone-secreting pituitary adenomas. <i>Oncology Reports</i> , 2016, 35, 2991-2999.	2.6	3
99	Differential expression of the Notch1 receptor, and its ligands Dll1, Dll3 and Dll4 in distinct human pituitary adenoma subtypes. <i>Oncology Letters</i> , 2017, 13, 4533-4539.	1.8	3
100	Epithelial-Mesenchymal Transition Induced by SMAD4 Activation in Invasive Growth Hormone-Secreting Adenomas. <i>Open Chemistry</i> , 2018, 16, 571-582.	1.9	3
101	The clinical features, recurrence risks and surgical strategies of bone invasive pituitary adenomas. <i>Clinical Neurology and Neurosurgery</i> , 2021, 201, 106455.	1.4	3
102	Predicting the location of the preoptic and anterior hypothalamic region by visualizing the thermoregulatory center on fMRI in craniopharyngioma using cold and warm stimuli. <i>Aging</i> , 2021, 13, 10087-10098.	3.1	3
103	LncRNA and mRNA expression profiles reveal the potential roles of lncRNA contributing to regulating dural penetration in clival chordoma. <i>Aging</i> , 2020, 12, 10809-10826.	3.1	3
104	Use of micro-positron emission tomography with 18F-fallypride to measure the levels of dopamine receptor-D2 and 18F-FDG as molecular imaging tracer in the pituitary glands and prolactinomas of Fischer-344 rats. <i>OncoTargets and Therapy</i> , 2016, 9, 2057.	2.0	2
105	In Vivo Characterization of Cortical and White Matter Microstructural Pathology in Growth Hormone-Secreting Pituitary Adenoma. <i>Frontiers in Oncology</i> , 2021, 11, 641359.	2.8	2
106	Clinical and Radiologic Characteristics, Surgical Outcomes, and Its Possible Origins of Chondroma of the Dural Convexity. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	2
107	Functional characterization of DLK1/MEG3 locus on chromosome 14q32.2 reveals the differentiation of pituitary neuroendocrine tumors. <i>Aging</i> , 2021, 13, 1422-1439.	3.1	2
108	High Red Cell Distribution Width Independently Predicts Adverse Survival in Patients with Newly Diagnosed Skull Base Chordoma. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 5435-5445.	2.0	2

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109	Anti-EGFL7 antibodies inhibit rat prolactinoma MMQ cells proliferation and PRL secretion. Open Chemistry, 2018, 16, 621-626.	1.9	1
110	Contrahemispheric Cortex Predicts Survival and Molecular Markers in Patients With Unilateral High-Grade Gliomas. Frontiers in Oncology, 2020, 10, 953.	2.8	1
111	Effects of fulvestrant on biological activity and Wnt expression in rat GH3 cells. Neural Regeneration Research, 2012, 7, 283-9.	3.0	1
112	Prognostic Utility of Optical Coherence Tomography for Visual Outcome After Extended Endoscopic Endonasal Surgery for Adult Craniopharyngiomas. Frontiers in Oncology, 2021, 11, 764582.	2.8	1
113	The clinical application of intraoperative visual evoked potential in recurrent craniopharyngiomas resected by extended endoscopic endonasal surgery. Clinical Neurology and Neurosurgery, 2022, 214, 107149.	1.4	1
114	In Reply to "Prognostic Significance of Resection Degree in Skull Base Chordoma: A Systematic Review and Meta-Analysis". World Neurosurgery, 2017, 100, 695.	1.3	0
115	In Reply to "Ki-67 Index as a Prognostic Marker in Chordomas: A Systematic Review of the Literature". World Neurosurgery, 2017, 101, 785.	1.3	0
116	Phosphorylation of Pit-1 by cyclin-dependent kinase 5 at serine 126 is associated with cell proliferation and poor prognosis in prolactinomas. Open Chemistry, 2021, 19, 785-793.	1.9	0
117	Anti-c-myc efficacy block EGFL7 induced prolactinoma tumorigenesis. Open Chemistry, 2019, 17, 1501-1508.	1.9	0
118	Reduced sensitivity to delayed time and delayed reward of the post-operative insular glioma patients in delay discounting. NeuroImage: Clinical, 2022, 33, 102895.	2.7	0