

Elliot H Choi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

992
citations

516710

16
h-index

477307

29
g-index

41
all docs

41
docs citations

41
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered virus-like particles for efficient in vivo delivery of therapeutic proteins. <i>Cell</i> , 2022, 185, 250-265.e16.	28.9	251
2	A mountable toilet system for personalized health monitoring via the analysis of excreta. <i>Nature Biomedical Engineering</i> , 2020, 4, 624-635.	22.5	112
3	Restoration of visual function in adult mice with an inherited retinal disease via adenine base editing. <i>Nature Biomedical Engineering</i> , 2021, 5, 169-178.	22.5	90
4	Granzyme B-Induced Neurotoxicity Is Mediated via Activation of PAR-1 Receptor and Kv1.3 Channel. <i>PLoS ONE</i> , 2012, 7, e43950.	2.5	43
5	In vivo base editing rescues cone photoreceptors in a mouse model of early-onset inherited retinal degeneration. <i>Nature Communications</i> , 2022, 13, 1830.	12.8	42
6	The expression of opsins in the human skin and its implications for photobiomodulation: A Systematic Review. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2020, 36, 329-338.	1.5	38
7	Retinoids in the visual cycle: role of the retinal G protein-coupled receptor. <i>Journal of Lipid Research</i> , 2021, 62, 100040.	4.2	38
8	Photoc generation of 11-cis-retinal in bovine retinal pigment epithelium. <i>Journal of Biological Chemistry</i> , 2019, 294, 19137-19154.	3.4	33
9	Epidural electrical stimulation for spinal cord injury. <i>Neural Regeneration Research</i> , 2021, 16, 2367.	3.0	27
10	Derivation of Neural Stem Cells from Human Adult Peripheral CD34+ Cells for an Autologous Model of Neuroinflammation. <i>PLoS ONE</i> , 2013, 8, e81720.	2.5	26
11	Insights into the pathogenesis of dominant retinitis pigmentosa associated with a D477G mutation in RPE65. <i>Human Molecular Genetics</i> , 2018, 27, 2225-2243.	2.9	26
12	Two-photon imaging of the mammalian retina with ultrafast pulsing laser. <i>JCI Insight</i> , 2018, 3, .	5.0	24
13	Nano-scale resolution of native retinal rod disk membranes reveals differences in lipid composition. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	23
14	Ethical considerations and patient safety concerns for cancelling non-urgent surgeries during the COVID-19 pandemic: a review. <i>Patient Safety in Surgery</i> , 2021, 15, 19.	2.3	22
15	Structural biology of 11-cis-retinaldehyde production in the classical visual cycle. <i>Biochemical Journal</i> , 2018, 475, 3171-3188.	3.7	18
16	Effectiveness of Repair Techniques for Spinal Dural Tears: A Systematic Review. <i>World Neurosurgery</i> , 2021, 149, 140-147.	1.3	18
17	Activated T cells induce proliferation of oligodendrocyte progenitor cells via release of vascular endothelial cell growth factor. <i>Glia</i> , 2018, 66, 2503-2513.	4.9	17
18	Modulation of Neural Activity for Myelination in the Central Nervous System. <i>Frontiers in Neuroscience</i> , 2019, 13, 952.	2.8	17

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19	Inhibition of ceramide accumulation in AdipoR1 ^{-/-} mice increases photoreceptor survival and improves vision. JCI Insight, 2022, 7, .	5.0	12
20	A Mixture of U.S. Food and Drug Administration ⁻ Approved Monoaminergic Drugs Protects the Retina From Light Damage in Diverse Models of Night Blindness. , 2019, 60, 1442.		11
21	Back pain outcomes after minimally invasive anterior lumbar interbody fusion: a systematic review. Neurosurgical Focus, 2020, 49, E3.	2.3	11
22	Association of tranexamic acid with decreased blood loss in patients undergoing laminectomy and fusion with posterior instrumentation: a systematic review and meta-analysis. Journal of Neurosurgery: Spine, 2022, 36, 686-693.	1.7	11
23	Direct Induction of Human Neural Stem Cells from Peripheral Blood Hematopoietic Progenitor Cells. Journal of Visualized Experiments, 2015, , 52298.	0.3	10
24	The 100 Most Influential Publications on Medulloblastoma: Areas of Past, Current, and Future Focus. World Neurosurgery, 2021, 146, 119-139.	1.3	10
25	An inducible Cre mouse for studying roles of the RPE in retinal physiology and disease. JCI Insight, 2021, 6, .	5.0	10
26	Updates on techniques and technology to optimize external ventricular drain placement: A review of the literature. Clinical Neurology and Neurosurgery, 2022, 213, 107126.	1.4	8
27	Cerebral vasospasm after subarachnoid hemorrhage: Developing treatments. Brain Hemorrhages, 2021, 2, 15-23.	1.0	6
28	Getting Down to the Bare Bones: Does laminoplasty or laminectomy With Fusion Provide Better Outcomes for Patients With Multilevel Cervical Spondylotic Myelopathy?. Neurospine, 2021, 18, 45-54.	2.9	5
29	Comparison of Minimally Invasive Total versus Subtotal Resection of Spinal Tumors: A Systematic Review and Meta-Analysis. World Neurosurgery, 2021, 151, e343-e354.	1.3	5
30	Second opinion in spine surgery: A scoping review. , 2021, 12, 436.		5
31	Use of Tranexamic Acid for Elective Resection of Intracranial Neoplasms: A Systematic Review. World Neurosurgery, 2022, 160, e209-e219.	1.3	5
32	Bony fixation in the era of spinal robotics: A systematic review and meta-analysis. Journal of Clinical Neuroscience, 2022, 97, 62-74.	1.5	5
33	The market landscape of online second opinion services for spine surgery. , 2020, 11, 365.		4
34	Therapeutic potential of neuromodulation for demyelinating diseases. Neural Regeneration Research, 2021, 16, 214.	3.0	2
35	Cost analysis comparison between anterior and posterior cervical spine approaches. , 0, 13, 300.		1
36	Activated T cells induce oligodendrocyte progenitor cells proliferation by releasing VEGF-A. Journal of Neuroimmunology, 2014, 275, 105-106.	2.3	0

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37	The Underdiagnosed, Understudied Complexity of Pseudoangina: Should Clinicians Take a Neurosurgical Approach in Diagnosing Unexplained Visceral Pain?. <i>Neurospine</i> , 2021, 18, 250-251.	2.9	0
38	Elective versus nonelective brain tumor resections: a 5-year propensity score matching cost comparison analysis. <i>Journal of Neurosurgery</i> , 2022, 136, 40-44.	1.6	0