Tarik F Massoud

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7034297/publications.pdf

Version: 2024-02-01

81 papers	4,262 citations	218677 26 h-index	110387 64 g-index
86 all docs	86 docs citations	86 times ranked	5613 citing authors

#	Article	IF	Citations
1	Structural asymmetries in normal brain anatomy: A brief overview. Annals of Anatomy, 2022, 241, 151894.	1.9	9
2	Comparison of embolization strategies for mixed plexiform and fistulous brain arteriovenous malformations: a computational model analysis of theoretical risks of nidus rupture. Journal of NeuroInterventional Surgery, 2022, 14, 1213-1219.	3.3	1
3	Engineered Cellâ€Derived Vesicles Displaying Targeting Peptide and Functionalized with Nanocarriers for Therapeutic microRNA Delivery to Tripleâ€Negative Breast Cancer in Mice. Advanced Healthcare Materials, 2022, 11, e2101387.	7.6	8
4	FN3 linked nanobubbles as a targeted contrast agent for US imaging of cancer-associated human PD-L1. Journal of Controlled Release, 2022, 346, 317-327.	9.9	9
5	Biomimetic nanobubbles for triple-negative breast cancer targeted ultrasound molecular imaging. Journal of Nanobiotechnology, 2022, 20, .	9.1	14
6	A rationally identified panel of microRNAs targets multiple oncogenic pathways to enhance chemotherapeutic effects in glioblastoma models. Scientific Reports, 2022, 12, .	3.3	7
7	Anatomy of Intracranial Veins. Neuroimaging Clinics of North America, 2022, 32, 637-661.	1.0	2
8	Anatomy of the Cerebral Cortex, Lobes, and Cerebellum. Neuroimaging Clinics of North America, 2022, 32, 463-473.	1.0	2
9	Anatomy of the Calvaria and Skull Base. Neuroimaging Clinics of North America, 2022, 32, 447-462.	1.0	2
10	Tortuosity of superior cerebral veins: Comparative magnetic resonance imaging morphometrics in normal subjects and arteriovenous malformation patients. Clinical Anatomy, 2021, 34, 326-332.	2.7	4
11	Imaging anatomy of the vertebral canal for transâ€sacral hiatus puncture of the lumbar cistern. Clinical Anatomy, 2021, 34, 348-356.	2.7	6
12	High-Throughput Whole-Plate Imaging of Cells for Multiple Biological Applications. Methods in Molecular Biology, 2021, 2274, 367-384.	0.9	0
13	Molecular Imaging of Gene Therapy. , 2021, , 787-810.		0
14	Molecular Imaging of Proteinâ€“Protein Interactions and Protein Folding. , 2021, , 897-928.		2
15	Ultrasound Triggered Coâ€Delivery of Therapeutic MicroRNAs and a Triple Suicide Gene Therapy Vector by Using Biocompatible Polymer Nanoparticles for Improved Cancer Therapy in Mouse Models. Advanced Therapeutics, 2021, 4, 2000197.	3.2	4
16	Editorial: Advanced Neuroimaging of Brain Metastases. Frontiers in Neurology, 2021, 12, 668310.	2.4	2
17	Camouflaged Hybrid Cancer Cellâ€Platelet Fusion Membrane Nanovesicles Deliver Therapeutic MicroRNAs to Presensitize Tripleâ€Negative Breast Cancer to Doxorubicin. Advanced Functional Materials, 2021, 31, 2103600.	14.9	30
18	Ambiguous â€œolfactoryâ€•terms for anatomic spaces adjacent to the cribriform plate: A publication database analysis and quest for uniformity. Clinical Anatomy, 2021, 34, 1186-1195.	2.7	4

#	Article	IF	Citations
19	Imaging and treatment of brain tumors through molecular targeting: Recent clinical advances. European Journal of Radiology, 2021, 142, 109842.	2.6	15
20	A Clinical PET Imaging Tracer ([18F]DASA-23) to Monitor Pyruvate Kinase M2â€“Induced Glycolytic Reprogramming in Glioblastoma. Clinical Cancer Research, 2021, 27, 6467-6478.	7.0	9
21	Role of microRNA therapy in presensitizing glioblastoma cells to temozolomide treatment. , 2021, , 667-688.		0
22	Gold-Nanostar-Chitosan-Mediated Delivery of SARS-CoV-2 DNA Vaccine for Respiratory Mucosal Immunization: Development and Proof-of-Principle. ACS Nano, 2021, 15, 17582-17601.	14.6	55
23	A Microfluidics-Based Scalable Approach to Generate Extracellular Vesicles with Enhanced Therapeutic MicroRNA Loading for Intranasal Delivery to Mouse Glioblastomas. ACS Nano, 2021, 15, 18327-18346.	14.6	52
24	Ligand-activated BRET9 imaging for measuring proteinâ€“protein interactions in living mice. Chemical Communications, 2020, 56, 281-284.	4.1	9
25	Magnetic resonance imaging anatomy and morphometry of lumbar intervertebral foramina to guide safe transforaminal subarachnoid punctures. Clinical Anatomy, 2020, 33, 405-413.	2.7	12
26	Threeâ€Ðimensional Angles of Confluence of Cortical Bridging Veins and the Superior Sagittal Sinus on MR Venography. Clinical Anatomy, 2020, 33, 293-299.	2.7	2
27	SARS-CoV-2 Vaccine Development: An Overview and Perspectives. ACS Pharmacology and Translational Science, 2020, 3, 844-858.	4.9	34
28	Predicting tumour mutational burden from histopathological images using multiscale deep learning. Nature Machine Intelligence, 2020, 2, 356-362.	16.0	52
29	Highly sensitive eight-channel light sensing system for biomedical applications. Photochemical and Photobiological Sciences, 2020, 19, 524-529.	2.9	3
30	SP94-Targeted Triblock Copolymer Nanoparticle Delivers Thymidine Kinaseâ€“p53â€“Nitroreductase Triple Therapeutic Gene and Restores Anticancer Function against Hepatocellular Carcinoma in Vivo. ACS Applied Materials & Interfaces, 2020, 12, 11307-11319.	8.0	27
31	A critical appraisal of Monro's erroneous description of the cerebral interventricular foramina: Ageâ€related magnetic resonance imaging spatial morphometry and a proposed new terminology. Clinical Anatomy, 2020, 33, 446-457.	2.7	4
32	Reconstructed Apoptotic Bodies as Targeted â€œNano Decoysâ€•to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. ACS Nano, 2020, 14, 5818-5835.	14.6	52
33	The mammillothalamic tracts: Ageâ€related conspicuity and normative morphometry on brain magnetic resonance imaging. Clinical Anatomy, 2020, 33, 911-919.	2.7	8
34	Ossification of the pterygoalar and pterygospinous ligaments: a computed tomography analysis of infratemporal fossa anatomical variants relevant to percutaneous trigeminal rhizotomy. Journal of Neurosurgery, 2020, 132, 1942-1951.	1.6	7
35	Intranasal delivery of targeted polyfunctional goldâ€“iron oxide nanoparticles loaded with therapeutic microRNAs for combined theranostic multimodality imaging and presensitization of glioblastoma to temozolomide. Biomaterials, 2019, 218, 119342.	11.4	159
36	Computational Network Modeling of Intranidal Hemodynamic Compartmentalization in a Theoretical Three-Dimensional Brain Arteriovenous Malformation. Frontiers in Physiology, 2019, 10, 1250.	2.8	6

#	Article	IF	Citations
37	Large-scale ensemble simulations of biomathematical brain arteriovenous malformation models using graphics processing unit computation. Computers in Biology and Medicine, 2019, 113, 103416.	7.0	5
38	Optic Chiasm Morphometric Changes in Multiple Sclerosis: Feasibility of a Simplified Brain Magnetic Resonance Imaging Measure of White Matter Atrophy. Clinical Anatomy, 2019, 32, 1072-1081.	2.7	5
39	The protean world of non-coding RNAs in glioblastoma. Journal of Molecular Medicine, 2019, 97, 909-925.	3.9	20
40	Molecular Imaging of Retinoic Acids in Live Cells Using Single-Chain Bioluminescence Probes. ACS Combinatorial Science, 2019, 21, 473-481.	3.8	5
41	Are high lumbar punctures safe? A magnetic resonance imaging morphometric study of the conus medullaris. Clinical Anatomy, 2019, 32, 618-629.	2.7	3
42	EXTH-28. TARGETED POLYGIONS ENGINEERED WITH SURFACE miRNAs FOR COMBINED MULTIMODALITY IMAGING AND ENHANCEMENT OF TEMOZOLOMIDE TREATMENT: A NOVEL INTRANASALLY-DELIVERED THERANOSTIC STRATEGY AGAINST GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi87-vi88.	1.2	0
43	EXTH-30. PRECEDING p53 STABILIZATION USING DOXORUBICIN AUGMENTS PRIMA-1-MEDIATED p53 REFOLDING AND INCREASED CELLULAR APOPTOSIS: EVALUATION OF A SEQUENTIAL COMBINATION THERAPY AGAINST GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi88-vi88.	1.2	0
44	Eponymous â€œvalvesâ€•of the nasolacrimal drainage apparatus. II. Frequency of visualization on dacryocystography. Clinical Anatomy, 2019, 32, 35-40.	2.7	8
45	Eponymous â€œvalvesâ€•of the nasolacrimal drainage apparatus. I. A historical review. Clinical Anatomy, 2019, 32, 41-45.	2.7	11
46	A protein folding molecular imaging biosensor monitors the effects of drugs that restore mutant p53 structure and its downstream function in glioblastoma cells. Oncotarget, 2018, 9, 21495-21511.	1.8	11
47	Comparison of cell-based assays to quantify treatment effects of anticancer drugs identifies a new application for Bodipy-L-cystine to measure apoptosis. Scientific Reports, 2018, 8, 16363.	3.3	31
48	Restoring guardianship of the genome: Anticancer drug strategies to reverse oncogenic mutant p53 misfolding. Cancer Treatment Reviews, 2018, 71, 19-31.	7.7	7
49	Tumor Cell-Derived Extracellular Vesicle-Coated Nanocarriers: An Efficient Theranostic Platform for the Cancer-Specific Delivery of Anti-miR-21 and Imaging Agents. ACS Nano, 2018, 12, 10817-10832.	14.6	170
50	Targeted nanoparticle delivery of therapeutic antisense microRNAs presensitizes glioblastoma cells to lower effective doses of temozolomide in vitro and in a mouse model. Oncotarget, 2018, 9, 21478-21494.	1.8	56
51	Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. ACS Chemical Biology, 2017, 12, 2345-2353.	3.4	13
52	EXTH-61. TARGETED NANOPARTICLE DELIVERY OF THERAPEUTIC ANTIMIR-21 AND ANTIMIR-10B PRESENSITIZES GLIOBLASTOMA TO LOWER EFFECTIVE DOSES OF TEMOZOLOMIDE IN CELLS AND XENOGRAFTS. Neuro-Oncology, 2017, 19, vi86-vi86.	1.2	0
53	PKM2 activation sensitizes cancer cells to growth inhibition by 2-deoxy-D-glucose. Oncotarget, 2017, 8, 90959-90968.	1.8	14
54	Glioblastoma Invoking â€œKillerâ€•Rabbits of the Middle Ages. World Neurosurgery, 2016, 92, 140-141.	1.3	1

#	Article	IF	Citations
55	Tailored Nanoparticle Codelivery of antimiR-21 and antimiR-10b Augments Glioblastoma Cell Kill by Temozolomide: Toward a â€œPersonalizedâ€•Anti-microRNA Therapy. Molecular Pharmaceutics, 2016, 13, 3164-3175.	4.6	43
56	Molecular Imaging Biosensor Monitors p53 Sumoylation in Cells and Living Mice. Analytical Chemistry, 2016, 88, 11420-11428.	6.5	2
57	A transgenic mouse model expressing an ERÎ± folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. Scientific Reports, 2016, 6, 34788.	3.3	17
58	A molecular imaging biosensor detects in vivo protein folding and misfolding. Journal of Molecular Medicine, 2016, 94, 799-808.	3.9	5
59	Temozolomide-loaded PLGA nanoparticles to treat glioblastoma cells: a biophysical and cell culture evaluation. Neurological Research, 2016, 38, 51-59.	1.3	53
60	Folate Receptorâ€“Targeted Polymeric Micellar Nanocarriers for Delivery of Orlistat as a Repurposed Drug against Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2016, 15, 221-231.	4.1	65
61	Trends in performance indicators of neuroimaging anatomy research publications: A bibliometric study of major neuroradiology journal output over four decades based on web of science database. Clinical Anatomy, 2015, 28, 16-26.	2.7	4
62	Polymer Nanoparticles Mediated Codelivery of AntimiR-10b and AntimiR-21 for Achieving Triple Negative Breast Cancer Therapy. ACS Nano, 2015, 9, 2290-2302.	14.6	221
63	Nanoparticle-Delivered Antisense MicroRNA-21 Enhances the Effects of Temozolomide on Glioblastoma Cells. Molecular Pharmaceutics, 2015, 12, 4509-4517.	4.6	61
64	No Significant Displacement of Basal Brain Structures upon Head Movement: Kinematic MRI Morphometry Relevant to Neuroendoscopy. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2014, 75, 098-103.	0.8	1
65	Tuber cinereum proximity to critical major arteries: a morphometric imaging analysis relevant to endoscopic third ventriculostomy. Acta Neurochirurgica, 2013, 155, 891-900.	1.7	6
66	Transvenous Retrograde Nidus Sclerotherapy Under Controlled Hypotension (TRENSH). Neurosurgery, 2013, 73, 332-343.	1.1	21
67	Bioluminescence resonance energy transfer (BRET) imaging of proteinâ€“protein interactions within deep tissues of living subjects. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12060-12065.	7.1	163
68	A molecularly engineered split reporter for imaging protein-protein interactions with positron emission tomography. Nature Medicine, 2010, 16, 921-926.	30.7	61
69	Integrating noninvasive molecular imaging into molecular medicine: an evolving paradigm. Trends in Molecular Medicine, 2007, 13, 183-191.	6.7	113
70	Reporter gene imaging of proteinâ€“protein interactions in living subjects. Current Opinion in Biotechnology, 2007, 18, 31-37.	6.6	81
71	Molecular imaging of homodimeric proteinâ€“protein interactions in living subjects. FASEB Journal, 2004, 18, 1105-1107.	0.5	65
72	Molecular imaging in living subjects: seeing fundamental biological processes in a new light. Genes and Development, 2003, 17, 545-580.	5.9	1,954

#	Article	IF	Citations
73	Recent Progress in Medical Imaging: Mloecular Imaging in Living Subjects. Journal of Korean Society of Medical Informatics, 2003, 9, 349.	0.3	0
74	Experimental Radiosurgery Simulations Using a Theoretical Model of Cerebral Arteriovenous Malformations. Stroke, 2000, 31, 2466-2477.	2.0	13
75	Transvenous Retrograde Nidus Sclerotherapy under Controlled Hypotension (TRENSH): A Newly Proposed Treatment for Brain Arteriovenous Malformations-Concepts and Rationale. Neurosurgery, 1999, 45, 351-366.	1.1	52
76	Theoretical modelling of arteriovenous malformation rupture risk: a feasibility and validation study. Medical Engineering and Physics, 1998, 20, 489-501.	1.7	29
77	Hemodynamic Changes in Arterial Feeders and Draining Veins during Embolotherapy of Arteriovenous Malformations: An Experimental Study in a Swine Model. Neurosurgery, 1998, 43, 96-104.	1.1	49
78	Principles and philosophy of modeling in biomedical research. FASEB Journal, 1998, 12, 275-285.	0.5	13
79	An electrical network model of intracranial arteriovenous malformations: analysis of variations in hemodynamic and biophysical parameters. Neurological Research, 1996, 18, 575-589.	1.3	15
80	A Biomathematical Model of Intracranial Arteriovenous Malformations Based on Electrical Network Analysis: Theory and Hemodynamics. Neurosurgery, 1996, 38, 1005-1015.	1.1	59
81	Risk of Intracranial Arteriovenous Malformation Rupture Due to Venous Drainage Impairment. Stroke, 1996, 27, 1072-1083.	2.0	118