

Bakhos A Tannous

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

9,460
citations

42
h-index

97
g-index

111
ext. papers

11,088
ext. citations

8.8
avg, IF

6.05
L-index

#	Paper	IF	Citations
103	Immune Checkpoint Inhibition in GBM Primed with Radiation by Engineered Extracellular Vesicles.. <i>ACS Nano</i> , 2022 ,	16.7	5
102	Olfactory receptor 5B21 drives breast cancer metastasis.. <i>IScience</i> , 2021 , 24, 103519	6.1	0
101	Promoting Women in Academic Medicine during COVID-19 and Beyond. <i>Journal of General Internal Medicine</i> , 2021 , 36, 3292-3294	4	1
100	Sustained subcutaneous delivery of secretome of human cardiac stem cells promotes cardiac repair following myocardial infarction. <i>Cardiovascular Research</i> , 2021 , 117, 918-929	9.9	24
99	Gene therapy for tuberous sclerosis complex type 2 in a mouse model by delivery of AAV9 encoding a condensed form of tuberin. <i>Science Advances</i> , 2021 , 7,	14.3	7
98	Targeted delivery of neural progenitor cell-derived extracellular vesicles for anti-inflammation after cerebral ischemia. <i>Theranostics</i> , 2021 , 11, 6507-6521	12.1	20
97	BSCI-16. Olfactory receptor 5B21 drives breast cancer metastasis. <i>Neuro-Oncology Advances</i> , 2021 , 3, iii4-iii4	0.9	78
96	TAMI-46. FRIEND AND FOE: RADIATION THERAPY INCREASES GLIOBLASTOMA IMMUNE EVASION VIA EVS. <i>Neuro-Oncology</i> , 2021 , 23, vi208-vi208	1	
95	CXCR4 antagonist AMD3100 (plerixafor): From an impurity to a therapeutic agent. <i>Pharmacological Research</i> , 2020 , 159, 105010	10.2	22
94	Extracellular Vesicles Induce Mesenchymal Transition and Therapeutic Resistance in Glioblastomas through NF- κ B/STAT3 Signaling. <i>Advanced Biology</i> , 2020 , 4, e1900312	3.5	9
93	Obtusaquinone: A Cysteine-Modifying Compound That Targets Keap1 for Degradation. <i>ACS Chemical Biology</i> , 2020 , 15, 1445-1454	4.9	9
92	STEM-15. SMALL BUT FIERCE: THE ROLE OF EXTRACELLULAR VESICLES IN MESENCHYMAL TRANSITION AND THERAPEUTIC RESISTANCE IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2020 , 22, ii199-ii199 ¹		
91	The natural compound obtusaquinone targets pediatric high-grade gliomas through ROS-mediated ER stress. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa106	0.9	1
90	Tumor-Educated Platelet RNA for the Detection and (Pseudo)progression Monitoring of Glioblastoma. <i>Cell Reports Medicine</i> , 2020 , 1, 100101	18	21
89	Mesenchymal Transformation: The Rosetta Stone of Glioblastoma Pathogenesis and Therapy Resistance. <i>Advanced Science</i> , 2020 , 7, 2002015	13.6	8
88	Regulatory T cells engineered with TCR signaling-responsive IL-2 nanogels suppress alloimmunity in sites of antigen encounter. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	18
87	Small but Fierce: Tracking the Role of Extracellular Vesicles in Glioblastoma Progression and Therapeutic Resistance. <i>Advanced Biology</i> , 2020 , 4, e2000035	3.5	1

86	Identification of ALDH1A3 as a Viable Therapeutic Target in Breast Cancer Metastasis-Initiating Cells. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 1134-1147	6.1	10
85	Long-Term Therapeutic Efficacy of Intravenous AAV-Mediated Hamartin Replacement in Mouse Model of Tuberous Sclerosis Type 1. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 15, 18-26	6.4	9
84	Patient-Derived Glioma Models: From Patients to Dish to Animals. <i>Cells</i> , 2019 , 8,	7.9	54
83	THER-04. OLFACTORY ENSHEATHING CELLS TRAVEL THEIR NATURE ROUTE FROM NASAL CAVITY TO CNS AND DELIVER THERAPEUTIC TRANSGENES TO HIGH-GRADE PEDIATRIC GLIOMAS. <i>Neuro-Oncology</i> , 2019 , 21, ii114-ii115	1	78
82	A TNF-NF- κ -STAT3 loop triggers resistance of glioma-stem-like cells to Smac mimetics while sensitizing to EZH2 inhibitors. <i>Cell Death and Disease</i> , 2019 , 10, 268	9.8	6
81	Radiation-Induced Targeted Nanoparticle-Based Gene Delivery for Brain Tumor Therapy. <i>ACS Nano</i> , 2019 , 13, 4028-4040	16.7	81
80	Sustained NF- κ -STAT3 signaling promotes resistance to Smac mimetics in Glioma stem-like cells but creates a vulnerability to EZH2 inhibition. <i>Cell Death Discovery</i> , 2019 , 5, 72	6.9	11
79	Methods for Systematic Identification of Membrane Proteins for Specific Capture of Cancer-Derived Extracellular Vesicles. <i>Cell Reports</i> , 2019 , 27, 255-268.e6	10.6	24
78	THER-03. REPURPOSING MEFLOQUINE AND ANALOGUES FOR DIPG THERAPY. <i>Neuro-Oncology</i> , 2019 , 21, ii114-ii114	1	78
77	An allosteric inhibitor of SHP2 effectively targets PDGFR β -driven glioblastoma. <i>Neuro-Oncology</i> , 2019 , 21, 1348-1349	1	3
76	Phenotypic Plasticity of Invasive Edge Glioma Stem-like Cells in Response to Ionizing Radiation. <i>Cell Reports</i> , 2019 , 26, 1893-1905.e7	10.6	84
75	Membrane-bound Gaussia luciferase as a tool to track shedding of membrane proteins from the surface of extracellular vesicles. <i>Scientific Reports</i> , 2019 , 9, 17387	4.9	10
74	Olfactory Ensheathing Cells: A Trojan Horse for Glioma Gene Therapy. <i>Journal of the National Cancer Institute</i> , 2019 , 111, 283-291	9.7	14
73	Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1446660	16.4	46
72	Recycling drug screen repurposes hydroxyurea as a sensitizer of glioblastomas to temozolomide targeting de novo DNA synthesis, irrespective of molecular subtype. <i>Neuro-Oncology</i> , 2018 , 20, 642-654 ¹	1	18
71	Surface functionalized exosomes as targeted drug delivery vehicles for cerebral ischemia therapy. <i>Biomaterials</i> , 2018 , 150, 137-149	15.6	418
70	Activity-Independent Effects of CREB on Neuronal Survival and Differentiation during Mouse Cerebral Cortex Development. <i>Cerebral Cortex</i> , 2018 , 28, 538-548	5.1	27
69	Dissecting inherent intratumor heterogeneity in patient-derived glioblastoma culture models. <i>Neuro-Oncology</i> , 2017 , 19, 820-832	1	29

68	Bidirectional Anticipation of Future Osmotic Challenges by Vasopressin Neurons. <i>Neuron</i> , 2017 , 93, 57-65	3.9	47
67	Integrated Kidney Exosome Analysis for the Detection of Kidney Transplant Rejection. <i>ACS Nano</i> , 2017 , 11, 11041-11046	16.7	65
66	Secreted Reporters for Monitoring Multiple Promoter Function. <i>Methods in Molecular Biology</i> , 2017 , 1651, 33-47	1.4	3
65	Swarm Intelligence-Enhanced Detection of Non-Small-Cell Lung Cancer Using Tumor-Educated Platelets. <i>Cancer Cell</i> , 2017 , 32, 238-252.e9	24.3	150
64	Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment. <i>Angiogenesis</i> , 2017 , 20, 533-546	10.6	50
63	Dynamic GABAergic afferent modulation of AgRP neurons. <i>Nature Neuroscience</i> , 2016 , 19, 1628-1635	25.5	99
62	Systemically administered AAV9-sTRAIL combats invasive glioblastoma in a patient-derived orthotopic xenograft model. <i>Molecular Therapy - Oncolytics</i> , 2016 , 3, 16017	6.4	19
61	Synthesis and evaluation of N-(methylthiophenyl)picolinamide derivatives as PET radioligands for metabotropic glutamate receptor subtype 4. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 133-9	2.9	10
60	Re: a Word of Caution on New and Revolutionary Diagnostic Tests. <i>Cancer Cell</i> , 2016 , 29, 143-4	24.3	1
59	Intracranial AAV-sTRAIL combined with lanatoside C prolongs survival in an orthotopic xenograft mouse model of invasive glioblastoma. <i>Molecular Oncology</i> , 2016 , 10, 625-34	7.9	15
58	Rearranged EML4-ALK fusion transcripts sequester in circulating blood platelets and enable blood-based crizotinib response monitoring in non-small-cell lung cancer. <i>Oncotarget</i> , 2016 , 7, 1066-75	3.3	120
57	Therapeutic potential of targeting microRNA-10b in established intracranial glioblastoma: first steps toward the clinic. <i>EMBO Molecular Medicine</i> , 2016 , 8, 268-87	12	83
56	Imaging Tumor Vascularity and Response to Anti-Angiogenic Therapy Using Gaussia Luciferase. <i>Scientific Reports</i> , 2016 , 6, 26353	4.9	1
55	A neural basis for melanocortin-4 receptor-regulated appetite. <i>Nature Neuroscience</i> , 2015 , 18, 863-71	25.5	238
54	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. <i>Nature Communications</i> , 2015 , 6, 7029	17.4	345
53	RNA-Seq of Tumor-Educated Platelets Enables Blood-Based Pan-Cancer, Multiclass, and Molecular Pathway Cancer Diagnostics. <i>Cancer Cell</i> , 2015 , 28, 666-676	24.3	480
52	Co-operative binding assay for the characterization of mGlu4 allosteric modulators. <i>Neuropharmacology</i> , 2015 , 97, 142-8	5.5	9
51	Multimodal targeted high relaxivity thermosensitive liposome for in vivo imaging. <i>Scientific Reports</i> , 2015 , 5, 17220	4.9	13

50	ATPS-84HYDROXYUREA SENSITIZES PATIENT-DERIVED GLIOBLASTOMA TUMORS TO TEMOZOLOMIDE IRRESPECTIVE OF MGMT STATUS. <i>Neuro-Oncology</i> , 2015 , 17, v37.1-v37	1	78
49	Heparin affinity purification of extracellular vesicles. <i>Scientific Reports</i> , 2015 , 5, 10266	4.9	113
48	CBM-16TUMOR-EDUCATED PLATELET-BASED LIQUID BIOPSIES IN GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , 2015 , 17, v72.3-v72	1	0
47	Noninvasive in vivo monitoring of extracellular vesicles. <i>Methods in Molecular Biology</i> , 2014 , 1098, 249-58.4	5.4	33
46	Dynamic biodistribution of extracellular vesicles in vivo using a multimodal imaging reporter. <i>ACS Nano</i> , 2014 , 8, 483-494	16.7	454
45	Systemic anticancer neural stem cells in combination with a cardiac glycoside for glioblastoma therapy. <i>Stem Cells</i> , 2014 , 32, 2021-32	5.8	18
44	Analysis of AKT and ERK1/2 protein kinases in extracellular vesicles isolated from blood of patients with cancer. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 25657	16.4	24
43	Pharmacokinetics of natural and engineered secreted factors delivered by mesenchymal stromal cells. <i>PLoS ONE</i> , 2014 , 9, e89882	3.7	23
42	EFEMP1 induces β -secretase/Notch-mediated temozolomide resistance in glioblastoma. <i>Oncotarget</i> , 2014 , 5, 363-74	3.3	36
41	Simultaneous in vivo monitoring of regulatory and effector T lymphocytes using secreted Gaussia luciferase, Firefly luciferase, and secreted alkaline phosphatase. <i>Methods in Molecular Biology</i> , 2014 , 1098, 211-27	1.4	6
40	Gaussia luciferase-based mycoplasma detection assay in mammalian cell culture. <i>Methods in Molecular Biology</i> , 2014 , 1098, 47-55	1.4	3
39	Mouse gender influences brain transduction by intravascularly administered AAV9. <i>Molecular Therapy</i> , 2013 , 21, 1470-1	11.7	24
38	Advances in stem cell therapy against gliomas. <i>Trends in Molecular Medicine</i> , 2013 , 19, 281-91	11.5	42
37	Directed molecular evolution reveals Gaussia luciferase variants with enhanced light output stability. <i>Analytical Chemistry</i> , 2013 , 85, 3006-12	7.8	30
36	Multiplex blood reporters for simultaneous monitoring of cellular processes. <i>Analytical Chemistry</i> , 2013 , 85, 10205-10	7.8	10
35	Functional multiplex reporter assay using tagged Gaussia luciferase. <i>Scientific Reports</i> , 2013 , 3, 1046	4.9	13
34	Effects of the selective MPS1 inhibitor MPS1-IN-3 on glioblastoma sensitivity to antimetabolic drugs. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 1322-31	9.7	74
33	Triple bioluminescence imaging for in vivo monitoring of cellular processes. <i>Molecular Therapy - Nucleic Acids</i> , 2013 , 2, e99	10.7	65

32	Targeting cancer cells with the natural compound obtusaquinone. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 643-53	9.7	18
31	Single reporter for targeted multimodal in vivo imaging. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5149-56	16.4	40
30	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.2	14.2	2783
29	Enhanced Gaussia luciferase blood assay for monitoring of in vivo biological processes. <i>Analytical Chemistry</i> , 2012 , 84, 1189-92	7.8	15
28	Microvesicle-associated AAV vector as a novel gene delivery system. <i>Molecular Therapy</i> , 2012 , 20, 960-711.7	11.7	188
27	Sensitive assay for mycoplasma detection in mammalian cell culture. <i>Analytical Chemistry</i> , 2012 , 84, 4227-32	7.32	14
26	Codon-Optimized <i>Luciola Italica</i> Luciferase Variants for Mammalian Gene Expression in Culture and in Vivo. <i>Molecular Imaging</i> , 2012 , 11, 7290.2011.00022	3.7	11
25	A water-soluble coelenterazine for sensitive in vivo imaging of coelenterate luciferases. <i>Molecular Therapy</i> , 2012 , 20, 692-3	11.7	24
24	Bioluminescence imaging: progress and applications. <i>Trends in Biotechnology</i> , 2011 , 29, 624-33	15.1	195
23	Secreted blood reporters: insights and applications. <i>Biotechnology Advances</i> , 2011 , 29, 997-1003	17.8	96
22	Multimodal in vivo imaging and blood monitoring of intrinsic and extrinsic apoptosis. <i>Molecular Therapy</i> , 2011 , 19, 1090-6	11.7	35
21	TorsinA participates in endoplasmic reticulum-associated degradation. <i>Nature Communications</i> , 2011 , 2, 393	17.4	79
20	Functional drug screening assay reveals potential glioma therapeutics. <i>Assay and Drug Development Technologies</i> , 2011 , 9, 281-9	2.1	24
19	Measurement of fluoride-induced endoplasmic reticulum stress using Gaussia luciferase. <i>Methods in Enzymology</i> , 2011 , 491, 111-25	1.7	6
18	Lanatoside C sensitizes glioblastoma cells to tumor necrosis factor-related apoptosis-inducing ligand and induces an alternative cell death pathway. <i>Neuro-Oncology</i> , 2011 , 13, 1213-24	1	43
17	The acid test of fluoride: how pH modulates toxicity. <i>PLoS ONE</i> , 2010 , 5, e10895	3.7	42
16	Tannous et al. Respond. <i>Molecular Therapy</i> , 2009 , 17, 1311-1312	11.7	1
15	Real-Time Monitoring of Nuclear Factor B Activity in Cultured Cells and in Animal Models. <i>Molecular Imaging</i> , 2009 , 8, 7290.2009.00026	3.7	44

14	Secreted Gaussia luciferase as a biomarker for monitoring tumor progression and treatment response of systemic metastases. <i>PLoS ONE</i> , 2009 , 4, e8316	3.7	71
13	Mutant sodium channel for tumor therapy. <i>Molecular Therapy</i> , 2009 , 17, 810-9	11.7	17
12	Gaussia luciferase reporter assay for monitoring biological processes in culture and in vivo. <i>Nature Protocols</i> , 2009 , 4, 582-91	18.8	196
11	Gaussia luciferase variant for high-throughput functional screening applications. <i>Analytical Chemistry</i> , 2009 , 81, 7102-6	7.8	65
10	Comparison of conventional guaiac to four immunochemical methods for fecal occult blood testing: implications for clinical practice in hospital and outpatient settings. <i>Clinica Chimica Acta</i> , 2009 , 400, 120-2	6.2	21
9	Downregulated microRNA-200a in meningiomas promotes tumor growth by reducing E-cadherin and activating the Wnt/beta-catenin signaling pathway. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5923-40	4.8	207
8	Real-time monitoring of nuclear factor kappaB activity in cultured cells and in animal models. <i>Molecular Imaging</i> , 2009 , 8, 278-90	3.7	47
7	A secreted luciferase for ex vivo monitoring of in vivo processes. <i>Nature Methods</i> , 2008 , 5, 171-3	21.6	235
6	siRNA knock-down of mutant torsinA restores processing through secretory pathway in DYT1 dystonia cells. <i>Human Molecular Genetics</i> , 2008 , 17, 1436-45	5.6	54
5	A highly sensitive assay for monitoring the secretory pathway and ER stress. <i>PLoS ONE</i> , 2007 , 2, e571	3.7	109
4	Mutant torsinA interferes with protein processing through the secretory pathway in DYT1 dystonia cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7271-6	11.5	112
3	Metabolic biotinylation of cell surface receptors for in vivo imaging. <i>Nature Methods</i> , 2006 , 3, 391-6	21.6	92
2	Codon-optimized Gaussia luciferase cDNA for mammalian gene expression in culture and in vivo. <i>Molecular Therapy</i> , 2005 , 11, 435-43	11.7	553
1	T7 RNA polymerase as a self-replicating label for antigen quantification. <i>Nucleic Acids Research</i> , 2002 , 30, e140	20.1	5