

Bakhos A Tannous

List of Publications by Year in descending order

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107
papers

11,946
citations

57631

44
h-index

33814

99
g-index

111
all docs

111
docs citations

111
times ranked

22680
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Surface functionalized exosomes as targeted drug delivery vehicles for cerebral ischemia therapy. <i>Biomaterials</i> , 2018, 150, 137-149.	5.7	739
3	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.	7.7	700
4	Dynamic Biodistribution of Extracellular Vesicles <i>in Vivo</i> Using a Multimodal Imaging Reporter. <i>ACS Nano</i> , 2014, 8, 483-494.	7.3	663
5	Codon-Optimized Gaussia Luciferase cDNA for Mammalian Gene Expression in Culture and <i>in Vivo</i> . <i>Molecular Therapy</i> , 2005, 11, 435-443.	3.7	635
6	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. <i>Nature Communications</i> , 2015, 6, 7029.	5.8	449
7	A neural basis for melanocortin-4 receptor-regulated appetite. <i>Nature Neuroscience</i> , 2015, 18, 863-871.	7.1	324
8	A secreted luciferase for ex vivo monitoring of <i>in vivo</i> processes. <i>Nature Methods</i> , 2008, 5, 171-173.	9.0	263
9	Gaussia luciferase reporter assay for monitoring biological processes in culture and <i>in vivo</i> . <i>Nature Protocols</i> , 2009, 4, 582-591.	5.5	245
10	Downregulated MicroRNA-200a in Meningiomas Promotes Tumor Growth by Reducing E-Cadherin and Activating the Wnt/ β -Catenin Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2009, 29, 5923-5940.	1.1	240
11	Bioluminescence imaging: progress and applications. <i>Trends in Biotechnology</i> , 2011, 29, 624-633.	4.9	240
12	Microvesicle-associated AAV Vector as a Novel Gene Delivery System. <i>Molecular Therapy</i> , 2012, 20, 960-971.	3.7	236
13	Swarm Intelligence-Enhanced Detection of Non-Small-Cell Lung Cancer Using Tumor-Educated Platelets. <i>Cancer Cell</i> , 2017, 32, 238-252.e9.	7.7	235
14	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, 1066-1075.	0.8	172
15	Dynamic GABAergic afferent modulation of AgRP neurons. <i>Nature Neuroscience</i> , 2016, 19, 1628-1635.	7.1	165
16	Phenotypic Plasticity of Invasive Edge Glioma Stem-like Cells in Response to Ionizing Radiation. <i>Cell Reports</i> , 2019, 26, 1893-1905.e7.	2.9	161
17	Heparin affinity purification of extracellular vesicles. <i>Scientific Reports</i> , 2015, 5, 10266.	1.6	152
18	Secreted blood reporters: Insights and applications. <i>Biotechnology Advances</i> , 2011, 29, 997-1003.	6.0	148

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19	Radiation-Induced Targeted Nanoparticle-Based Gene Delivery for Brain Tumor Therapy. ACS Nano, 2019, 13, 4028-4040.	7.3	147
20	Mutant torsinA interferes with protein processing through the secretory pathway in DYT1 dystonia cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7271-7276.	3.3	127
21	A Highly Sensitive Assay for Monitoring the Secretory Pathway and ER Stress. PLoS ONE, 2007, 2, e571.	1.1	123
22	Therapeutic potential of targeting micro RNA in established intracranial glioblastoma: first steps toward the clinic. EMBO Molecular Medicine, 2016, 8, 268-287.	3.3	117
23	Integrated Kidney Exosome Analysis for the Detection of Kidney Transplant Rejection. ACS Nano, 2017, 11, 11041-11046.	7.3	106
24	Metabolic biotinylation of cell surface receptors for in vivo imaging. Nature Methods, 2006, 3, 391-396.	9.0	105
25	Targeted delivery of neural progenitor cell-derived extracellular vesicles for anti-inflammation after cerebral ischemia. Theranostics, 2021, 11, 6507-6521.	4.6	104
26	TorsinA participates in endoplasmic reticulum-associated degradation. Nature Communications, 2011, 2, 393.	5.8	99
27	Effects of the Selective MPS1 Inhibitor MPS1-IN-3 on Glioblastoma Sensitivity to Antimitotic Drugs. Journal of the National Cancer Institute, 2013, 105, 1322-1331.	3.0	94
28	Patient-Derived Glioma Models: From Patients to Dish to Animals. Cells, 2019, 8, 1177.	1.8	86
29	Secreted Gaussia Luciferase as a Biomarker for Monitoring Tumor Progression and Treatment Response of Systemic Metastases. PLoS ONE, 2009, 4, e8316.	1.1	79
30	Triple Bioluminescence Imaging for In Vivo Monitoring of Cellular Processes. Molecular Therapy - Nucleic Acids, 2013, 2, e99.	2.3	77
31	Gaussia Luciferase Variant for High-Throughput Functional Screening Applications. Analytical Chemistry, 2009, 81, 7102-7106.	3.2	74
32	Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment. Angiogenesis, 2017, 20, 533-546.	3.7	71
33	Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. Journal of Extracellular Vesicles, 2018, 7, 1446660.	5.5	64
34	siRNA knock-down of mutant torsinA restores processing through secretory pathway in DYT1 dystonia cells. Human Molecular Genetics, 2008, 17, 1436-1445.	1.4	63
35	Bidirectional Anticipation of Future Osmotic Challenges by Vasopressin Neurons. Neuron, 2017, 93, 57-65.	3.8	63
36	CXCR4 antagonist AMD3100 (plerixafor): From an impurity to a therapeutic agent. Pharmacological Research, 2020, 159, 105010.	3.1	61

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37	Immune Checkpoint Inhibition in GBM Primed with Radiation by Engineered Extracellular Vesicles. <i>ACS Nano</i> , 2022, 16, 1940-1953.	7.3	58
38	Real-Time Monitoring of Nuclear Factor κ B Activity in Cultured Cells and in Animal Models. <i>Molecular Imaging</i> , 2009, 8, 7290.2009.00026.	0.7	56
39	Lanatoside C sensitizes glioblastoma cells to tumor necrosis factor α -related apoptosis-inducing ligand and induces an alternative cell death pathway. <i>Neuro-Oncology</i> , 2011, 13, 1213-1224.	0.6	52
40	Tumor-Educated Platelet RNA for the Detection and (Pseudo)progression Monitoring of Glioblastoma. <i>Cell Reports Medicine</i> , 2020, 1, 100101.	3.3	52
41	The Acid Test of Fluoride: How pH Modulates Toxicity. <i>PLoS ONE</i> , 2010, 5, e10895.	1.1	49
42	Real-time monitoring of nuclear factor κ B activity in cultured cells and in animal models. <i>Molecular Imaging</i> , 2009, 8, 278-90.	0.7	49
43	Advances in stem cell therapy against gliomas. <i>Trends in Molecular Medicine</i> , 2013, 19, 281-291.	3.5	47
44	Single Reporter for Targeted Multimodal in Vivo Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 5149-5156.	6.6	45
45	Activity-Independent Effects of CREB on Neuronal Survival and Differentiation during Mouse Cerebral Cortex Development. <i>Cerebral Cortex</i> , 2018, 28, 538-548.	1.6	45
46	Sustained subcutaneous delivery of secretome of human cardiac stem cells promotes cardiac repair following myocardial infarction. <i>Cardiovascular Research</i> , 2021, 117, 918-929.	1.8	43
47	EFEMP1 induces β -secretase/Notch-mediated temozolomide resistance in glioblastoma. <i>Oncotarget</i> , 2014, 5, 363-374.	0.8	41
48	Noninvasive In Vivo Monitoring of Extracellular Vesicles. <i>Methods in Molecular Biology</i> , 2014, 1098, 249-258.	0.4	39
49	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.	0.6	39
50	Regulatory T cells engineered with TCR signaling α -responsive IL-2 nanogels suppress alloimmunity in sites of antigen encounter. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	39
51	Methods for Systematic Identification of Membrane Proteins for Specific Capture of Cancer-Derived Extracellular Vesicles. <i>Cell Reports</i> , 2019, 27, 255-268.e6.	2.9	38
52	Multimodal In Vivo Imaging and Blood Monitoring of Intrinsic and Extrinsic Apoptosis. <i>Molecular Therapy</i> , 2011, 19, 1090-1096.	3.7	37
53	Dissecting inherent intratumor heterogeneity in patient-derived glioblastoma culture models. <i>Neuro-Oncology</i> , 2017, 19, now253.	0.6	35
54	Mouse Gender Influences Brain Transduction by Intravascularly Administered AAV9. <i>Molecular Therapy</i> , 2013, 21, 1470-1471.	3.7	33

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55	Directed Molecular Evolution Reveals Gaussia Luciferase Variants with Enhanced Light Output Stability. <i>Analytical Chemistry</i> , 2013, 85, 3006-3012.	3.2	33
56	Functional Drug Screening Assay Reveals Potential Glioma Therapeutics. <i>Assay and Drug Development Technologies</i> , 2011, 9, 281-289.	0.6	31
57	Pharmacokinetics of Natural and Engineered Secreted Factors Delivered by Mesenchymal Stromal Cells. <i>PLoS ONE</i> , 2014, 9, e89882.	1.1	31
58	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.	5.5	29
59	A Water-Soluble Coelenterazine for Sensitive In Vivo Imaging of Coelenterate Luciferases. <i>Molecular Therapy</i> , 2012, 20, 692-693.	3.7	27
60	Mesenchymal Transformation: The Rosetta Stone of Glioblastoma Pathogenesis and Therapy Resistance. <i>Advanced Science</i> , 2020, 7, 2002015.	5.6	25
61	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, 120-122.	0.5	22
62	Olfactory Ensheathing Cells: A Trojan Horse for Glioma Gene Therapy. <i>Journal of the National Cancer Institute</i> , 2019, 111, 283-291.	3.0	22
63	Systemically administered AAV9-sTRAIL combats invasive glioblastoma in a patient-derived orthotopic xenograft model. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16017.	2.0	21
64	Targeting Cancer Cells With the Natural Compound Obtusaquinone. <i>Journal of the National Cancer Institute</i> , 2013, 105, 643-653.	3.0	19
65	Mutant Sodium Channel for Tumor Therapy. <i>Molecular Therapy</i> , 2009, 17, 810-819.	3.7	18
66	Systemic Anticancer Neural Stem Cells in Combination with a Cardiac Glycoside for Glioblastoma Therapy. <i>Stem Cells</i> , 2014, 32, 2021-2032.	1.4	18
67	Multimodal targeted high relaxivity thermosensitive liposome for in vivo imaging. <i>Scientific Reports</i> , 2015, 5, 17220.	1.6	18
68	Intracranial AAV-sTRAIL combined with lanatoside C prolongs survival in an orthotopic xenograft mouse model of invasive glioblastoma. <i>Molecular Oncology</i> , 2016, 10, 625-634.	2.1	18
69	Sustained NF- κ B-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.	2.0	18
70	Obtusaquinone: A Cysteine-Modifying Compound That Targets Keap1 for Degradation. <i>ACS Chemical Biology</i> , 2020, 15, 1445-1454.	1.6	18
71	Sensitive Assay for Mycoplasma Detection in Mammalian Cell Culture. <i>Analytical Chemistry</i> , 2012, 84, 4227-4232.	3.2	17
72	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.	1.8	17

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73	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.	1.6	17
74	Identification of ALDH1A3 as a Viable Therapeutic Target in Breast Cancer Metastasis-Initiating Cells. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1134-1147.	1.9	17
75	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, .	4.7	17
76	Enhanced <i>Gaussia</i> Luciferase Blood Assay for Monitoring of in Vivo Biological Processes. <i>Analytical Chemistry</i> , 2012, 84, 1189-1192.	3.2	16
77	Extracellular Vesicles Induce Mesenchymal Transition and Therapeutic Resistance in Glioblastomas through NF- κ B/STAT3 Signaling. <i>Advanced Biology</i> , 2020, 4, 1900312.	3.0	15
78	Functional multiplex reporter assay using tagged Gaussia luciferase. <i>Scientific Reports</i> , 2013, 3, 1046.	1.6	14
79	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, 133-139.	1.0	13
80	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.	0.7	12
81	Multiplex Blood Reporters for Simultaneous Monitoring of Cellular Processes. <i>Analytical Chemistry</i> , 2013, 85, 10205-10210.	3.2	10
82	Co-operative binding assay for the characterization of mGlu4 allosteric modulators. <i>Neuropharmacology</i> , 2015, 97, 142-148.	2.0	10
83	A TNF-NF- κ B-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.	2.7	8
84	T7 RNA polymerase as a self-replicating label for antigen quantification. <i>Nucleic Acids Research</i> , 2002, 30, 140e-140.	6.5	6
85	Measurement of Fluoride-Induced Endoplasmic Reticulum Stress Using Gaussia Luciferase. <i>Methods in Enzymology</i> , 2011, 491, 111-125.	0.4	6
86	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, 211-227.	0.4	6
87	Re: a Word of Caution on New and Revolutionary Diagnostic Tests. <i>Cancer Cell</i> , 2016, 29, 143-144.	7.7	4
88	An allosteric inhibitor of SHP2 effectively targets PDGFR \pm -driven glioblastoma. <i>Neuro-Oncology</i> , 2019, 21, 1348-1349.	0.6	4
89	Olfactory receptor 5B21 drives breast cancer metastasis. <i>IScience</i> , 2021, 24, 103519.	1.9	4
90	Secreted Reporters for Monitoring Multiple Promoter Function. <i>Methods in Molecular Biology</i> , 2017, 1651, 33-47.	0.4	3

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91	Small but Fierce: Tracking the Role of Extracellular Vesicles in Glioblastoma Progression and Therapeutic Resistance. <i>Advanced Biology</i> , 2020, 4, 2000035.	3.0	3
92	Promoting Women in Academic Medicine during COVID-19 and Beyond. <i>Journal of General Internal Medicine</i> , 2021, 36, 3292-3294.	1.3	3
93	Gaussia Luciferase-Based Mycoplasma Detection Assay in Mammalian Cell Culture. <i>Methods in Molecular Biology</i> , 2014, 1098, 47-55.	0.4	3
94	The natural compound obtusaquinone targets pediatric high-grade gliomas through ROS-mediated ER stress. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa106.	0.4	2
95	Tannous et al. Respond:. <i>Molecular Therapy</i> , 2009, 17, 1311-1312.	3.7	1
96	CBM-16TUMOR-EDUCATED PLATELET-BASED LIQUID BIOPSIES IN GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , 2015, 17, v72.3-v72.	0.6	1
97	Imaging Tumor Vascularity and Response to Anti-Angiogenic Therapy Using Gaussia Luciferase. <i>Scientific Reports</i> , 2016, 6, 26353.	1.6	1
98	Olfactory ensheathing cells travel their natural nasal pathway to deliver therapeutics to brain tumors. <i>Oncotarget</i> , 2019, 10, 4351-4353.	0.8	1
99	Abstract LB168: Platelet RNA signature enables early and accurate detection of ovarian cancer: An intercontinental, biomarker identification study. <i>Cancer Research</i> , 2022, 82, LB168-LB168.	0.4	1
100	ATPS-84HYDROXYUREA SENSITIZES PATIENT-DERIVED GLIOBLASTOMA TUMORS TO TEMOZOLOMIDE IRRESPECTIVE OF MGMT STATUS. <i>Neuro-Oncology</i> , 2015, 17, v37.1-v37.	0.6	0
101	THER-03. REPURPOSING MEFLOQUINE AND ANALOGUES FOR DIPG THERAPY. <i>Neuro-Oncology</i> , 2019, 21, ii114-ii114.	0.6	0
102	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.	0.6	0
103	Abstract 3114: Olfactory ensheathing glia as a cell-based therapy for glioblastomas. , 2021, , .		0
104	BSCI-16. Olfactory receptor 5B21 drives breast cancer metastasis. <i>Neuro-Oncology Advances</i> , 2021, 3, iii4-iii4.	0.4	0
105	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.	0.6	0
106	TAMI-46. FRIEND AND FOE: RADIATION THERAPY INCREASES GLIOBLASTOMA IMMUNE EVASION VIA EVS. <i>Neuro-Oncology</i> , 2021, 23, vi208-vi208.	0.6	0
107	Abstract LB507: Towards elucidating the role of RNA modifications in cancer by improving the quantitative accuracy of mass spectrometric profiling of RNA modifications. <i>Cancer Research</i> , 2022, 82, LB507-LB507.	0.4	0