

Karen S Aboody

List of Publications by Year in descending order

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78
papers

4,702
citations

81839

39
h-index

98753

67
g-index

80
all docs

80
docs citations

80
times ranked

4648
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Neural Stem Cells Target Experimental Intracranial Medulloblastoma and Deliver a Therapeutic Gene Leading to Tumor Regression. <i>Clinical Cancer Research</i> , 2006, 12, 5550-5556.	3.2	197
2	Neural Stem Cell-Mediated Enzyme/Prodrug Therapy for Glioma: Preclinical Studies. <i>Science Translational Medicine</i> , 2013, 5, 184ra59.	5.8	194
3	Brain Tumor Tropism of Transplanted Human Neural Stem Cells Is Induced by Vascular Endothelial Growth Factor. <i>Neoplasia</i> , 2005, 7, 623-630.	2.3	185
4	Translating Stem Cell Studies to the Clinic for CNS Repair: Current State of the Art and the Need for a Rosetta Stone. <i>Neuron</i> , 2011, 70, 597-613.	3.8	176
5	Intravascular Delivery of Neural Stem Cell Lines to Target Intracranial and Extracranial Tumors of Neural and Non-Neural Origin. <i>Human Gene Therapy</i> , 2003, 14, 1777-1785.	1.4	162
6	Neural Stem Cell Tropism to Glioma: Critical Role of Tumor Hypoxia. <i>Molecular Cancer Research</i> , 2008, 6, 1819-1829.	1.5	156
7	Neural Precursor Cells for Delivery of Replication-Conditional HSV-1 Vectors to Intracerebral Gliomas. <i>Molecular Therapy</i> , 2000, 1, 347-357.	3.7	151
8	Chlorotoxin-directed CAR T cells for specific and effective targeting of glioblastoma. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	150
9	Neural Stem Cell-Mediated Intratumoral Delivery of Gold Nanorods Improves Photothermal Therapy. <i>ACS Nano</i> , 2014, 8, 12450-12460.	7.3	139
10	Targeting of melanoma brain metastases using engineered neural stem/progenitor cells ¹ . <i>Neuro-Oncology</i> , 2006, 8, 119-126.	0.6	129
11	Tumor-Targeted Enzyme/Prodrug Therapy Mediates Long-term Disease-Free Survival of Mice Bearing Disseminated Neuroblastoma. <i>Cancer Research</i> , 2007, 67, 22-25.	0.4	127
12	Identification of uPAR-positive Chemoresistant Cells in Small Cell Lung Cancer. <i>PLoS ONE</i> , 2007, 2, e243.	1.1	123
13	Neural Stem Cell-Based Anticancer Gene Therapy: A First-in-Human Study in Recurrent High-Grade Glioma Patients. <i>Clinical Cancer Research</i> , 2017, 23, 2951-2960.	3.2	121
14	Neural Stem Cell-based Cell Carriers Enhance Therapeutic Efficacy of an Oncolytic Adenovirus in an Orthotopic Mouse Model of Human Glioblastoma. <i>Molecular Therapy</i> , 2011, 19, 1714-1726.	3.7	111
15	Development of a Tumor-Selective Approach to Treat Metastatic Cancer. <i>PLoS ONE</i> , 2006, 1, e23.	1.1	111
16	Urokinase Plasminogen Activator and Urokinase Plasminogen Activator Receptor Mediate Human Stem Cell Tropism to Malignant Solid Tumors. <i>Stem Cells</i> , 2008, 26, 1406-1413.	1.4	106
17	Intranasal Delivery of Mesenchymal Stem Cells Significantly Extends Survival of Irradiated Mice with Experimental Brain Tumors. <i>Molecular Therapy</i> , 2014, 22, 140-148.	3.7	105
18	Neural Stem Cell Targeting of Glioma Is Dependent on Phosphoinositide 3-Kinase Signaling. <i>Stem Cells</i> , 2008, 26, 1575-1586.	1.4	101

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19	Neural stem cell delivery of an oncolytic adenovirus in newly diagnosed malignant glioma: a first-in-human, phase 1, dose-escalation trial. <i>Lancet Oncology</i> , The, 2021, 22, 1103-1114.	5.1	91
20	A Preclinical Evaluation of Neural Stem Cell-Based Cell Carrier for Targeted Antiglioma Oncolytic Virotherapy. <i>Journal of the National Cancer Institute</i> , 2013, 105, 968-977.	3.0	90
21	Magnetic Resonance Imaging Tracking of Ferumoxytol-Labeled Human Neural Stem Cells: Studies Leading to Clinical Use. <i>Stem Cells Translational Medicine</i> , 2013, 2, 766-775.	1.6	88
22	Increased Expression of System xc ⁻ in Glioblastoma Confers an Altered Metabolic State and Temozolomide Resistance. <i>Molecular Cancer Research</i> , 2016, 14, 1229-1242.	1.5	85
23	Iron Labeling and Pre-Clinical MRI Visualization of Therapeutic Human Neural Stem Cells in a Murine Glioma Model. <i>PLoS ONE</i> , 2009, 4, e7218.	1.1	82
24	Glioma-produced extracellular matrix influences brain tumor tropism of human neural stem cells. <i>Journal of Neuro-Oncology</i> , 2006, 79, 125-133.	1.4	79
25	Dynamic In Vivo SPECT Imaging of Neural Stem Cells Functionalized with Radiolabeled Nanoparticles for Tracking of Glioblastoma. <i>Journal of Nuclear Medicine</i> , 2016, 57, 279-284.	2.8	79
26	Vascular endothelial growth factor-stimulated cerebral microvascular endothelial cells mediate the recruitment of neural stem cells to the neurovascular niche. <i>Brain Research</i> , 2009, 1268, 24-37.	1.1	75
27	Nanoparticle-Programmed Self-Destructive Neural Stem Cells for Glioblastoma Targeting and Therapy. <i>Small</i> , 2013, 9, 4123-4129.	5.2	73
28	Human Neural Stem Cell Tropism to Metastatic Breast Cancer. <i>Stem Cells</i> , 2012, 30, 314-325.	1.4	71
29	The Timing of Neural Stem Cell-Based Virotherapy Is Critical for Optimal Therapeutic Efficacy When Applied With Radiation and Chemotherapy for the Treatment of Glioblastoma. <i>Stem Cells Translational Medicine</i> , 2013, 2, 655-666.	1.6	67
30	<i>SLC7A11</i> Overexpression in Glioblastoma Is Associated with Increased Cancer Stem Cell-Like Properties. <i>Stem Cells and Development</i> , 2017, 26, 1236-1246.	1.1	66
31	Neural Stem Cells as a Novel Platform for Tumor-Specific Delivery of Therapeutic Antibodies. <i>PLoS ONE</i> , 2009, 4, e8314.	1.1	63
32	Gold Nanoparticle-Loaded Neural Stem Cells for Photothermal Ablation of Cancer. <i>Advanced Healthcare Materials</i> , 2013, 2, 976-982.	3.9	59
33	Neural Stem Cell Biology May Be Well Suited for Improving Brain Tumor Therapies. <i>Cancer Journal (Sudbury, Mass)</i> , 2003, 9, 189-204.	1.0	58
34	Neural Stem Cell-Mediated Delivery of Irinotecan-Activating Carboxylesterases to Glioma: Implications for Clinical Use. <i>Stem Cells Translational Medicine</i> , 2013, 2, 983-992.	1.6	58
35	Neural stem cells improve intracranial nanoparticle retention and tumor-selective distribution. <i>Future Oncology</i> , 2014, 10, 401-415.	1.1	51
36	Conjugation of pH-responsive nanoparticles to neural stem cells improves intratumoral therapy. <i>Journal of Controlled Release</i> , 2014, 191, 82-89.	4.8	51

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37	Concise Review: Neural Stem Cell-Mediated Targeted Cancer Therapies. <i>Stem Cells Translational Medicine</i> , 2018, 7, 740-747.	1.6	49
38	Neural Stem Cells Secreting Anti-HER2 Antibody Improve Survival in a Preclinical Model of HER2 Overexpressing Breast Cancer Brain Metastases. <i>Stem Cells</i> , 2015, 33, 2985-2994.	1.4	45
39	Intranasal Oncolytic Virotherapy with CXCR4-Enhanced Stem Cells Extends Survival in Mouse Model of Glioma. <i>Stem Cell Reports</i> , 2016, 7, 471-482.	2.3	45
40	Genetically engineered human neural stem cells with rabbit carboxyl esterase can target brain metastasis from breast cancer. <i>Cancer Letters</i> , 2011, 311, 152-159.	3.2	43
41	Cell-mediated enzyme prodrug cancer therapies. <i>Advanced Drug Delivery Reviews</i> , 2017, 118, 35-51.	6.6	41
42	The Histone Demethylase Jumonji Coordinates Cellular Senescence Including Secretion of Neural Stem Cell-Attracting Cytokines. <i>Molecular Cancer Research</i> , 2015, 13, 636-650.	1.5	40
43	Enhanced Delivery of Oncolytic Adenovirus by Neural Stem Cells for Treatment of Metastatic Ovarian Cancer. <i>Molecular Therapy - Oncolytics</i> , 2019, 12, 79-92.	2.0	36
44	Selective antitumor effect of neural stem cells expressing cytosine deaminase and interferon-beta against ductal breast cancer cells in cellular and xenograft models. <i>Stem Cell Research</i> , 2014, 12, 36-48.	0.3	35
45	Concise Review: Stem Cells As an Emerging Platform for Antibody Therapy of Cancer. <i>Stem Cells</i> , 2010, 28, 2084-2087.	1.4	34
46	Intraperitoneal Administration of Neural Stem Cell-Nanoparticle Conjugates Targets Chemotherapy to Ovarian Tumors. <i>Bioconjugate Chemistry</i> , 2017, 28, 1767-1776.	1.8	34
47	Glioma-targeted delivery of exosome-encapsulated antisense oligonucleotides using neural stem cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 611-620.	2.3	33
48	Controlled Payload Release by Magnetic Field Triggered Neural Stem Cell Destruction for Malignant Glioma Treatment. <i>PLoS ONE</i> , 2016, 11, e0145129.	1.1	31
49	Cellular Host Responses to Gliomas. <i>PLoS ONE</i> , 2012, 7, e35150.	1.1	30
50	Quantitative Evaluation of Intraventricular Delivery of Therapeutic Neural Stem Cells to Orthotopic Glioma. <i>Frontiers in Oncology</i> , 2019, 9, 68.	1.3	30
51	Novel method for visualizing and modeling the spatial distribution of neural stem cells within intracranial glioma. <i>NeuroImage</i> , 2007, 37, S18-S26.	2.1	28
52	Therapeutic Targeting of Melanoma Cells Using Neural Stem Cells Expressing Carboxylesterase, a CPT-11 Activating Enzyme. <i>Current Stem Cell Research and Therapy</i> , 2010, 5, 273-276.	0.6	26
53	Human Neural Stem Cell Biodistribution and Predicted Tumor Coverage by a Diffusible Therapeutic in a Mouse Glioma Model. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1522-1532.	1.6	24
54	Developing Implantable Scaffolds to Enhance Neural Stem Cell Therapy for Post-Operative Glioblastoma. <i>Molecular Therapy</i> , 2020, 28, 1056-1067.	3.7	24

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55	Strategies for enhancing antibody delivery to the brain. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011, 1816, 191-198.	3.3	23
56	GMP Production and Scale-Up of Adherent Neural Stem Cells with a Quantum Cell Expansion System. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 10, 48-56.	1.8	23
57	Optimization of a Neural Stem-Cell-Mediated Carboxylesterase/Irinotecan Gene Therapy for Metastatic Neuroblastoma. <i>Molecular Therapy - Oncolytics</i> , 2017, 4, 67-76.	2.0	18
58	Neural stem cells secreting bispecific T cell engager to induce selective antiglioma activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
59	L- MYC Expression Maintains Self-Renewal and Prolongs Multipotency of Primary Human Neural Stem Cells. <i>Stem Cell Reports</i> , 2016, 7, 483-495.	2.3	17
60	Neural Stem Cells Improve the Delivery of Oncolytic Chimeric Orthopoxvirus in a Metastatic Ovarian Cancer Model. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 326-334.	2.0	17
61	Neural progenitor cell-mediated delivery of osteoprotegerin limits disease progression in a preclinical model of neuroblastoma bone metastasis. <i>Journal of Pediatric Surgery</i> , 2009, 44, 204-211.	0.8	16
62	Thermal analysis of laser irradiation-gold nanorod combinations at 808nm, 940nm, 975nm and 1064nm wavelengths in breast cancer model. <i>International Journal of Hyperthermia</i> , 2021, 38, 1099-1110.	1.1	14
63	MMP14 as a novel downstream target of VEGFR2 in migratory glioma-tropic neural stem cells. <i>Stem Cell Research</i> , 2015, 15, 598-607.	0.3	12
64	Long-term stability and computational analysis of migration patterns of L-MYC immortalized neural stem cells in the brain. <i>PLoS ONE</i> , 2018, 13, e0199967.	1.1	12
65	Bcl-2 Overexpression Improves Survival and Efficacy of Neural Stem Cell-Mediated Enzyme Prodrug Therapy. <i>Stem Cells International</i> , 2018, 2018, 1-13.	1.2	10
66	Silica Coated Paclitaxel Nanocrystals Enable Neural Stem Cell Loading For Treatment of Ovarian Cancer. <i>Bioconjugate Chemistry</i> , 2019, 30, 1415-1424.	1.8	10
67	Neural Progenitor Cell-mediated Delivery of Interferon Beta Improves Neuroblastoma Response to Cyclophosphamide. <i>Annals of Surgical Oncology</i> , 2008, 15, 3259-67.	0.7	9
68	Neural Stem Cell-mediated Therapy of Primary and Metastatic Solid Tumors. , 2007, , 335-372.		9
69	Feasibility of intracerebrally administering multiple doses of genetically modified neural stem cells to locally produce chemotherapy in glioma patients. <i>Cancer Gene Therapy</i> , 2021, 28, 294-306.	2.2	7
70	Early Changes in Tumor Perfusion from T1-Weighted Dynamic Contrast-Enhanced MRI following Neural Stem Cell-Mediated Therapy of Recurrent High-Grade Glioma Correlate with Overall Survival. <i>Stem Cells International</i> , 2018, 2018, 1-9.	1.2	5
71	Novel Chimeric Poxvirus CF17 Improves Survival in a Murine Model of Intraperitoneal Ovarian Cancer Metastasis. <i>Molecular Therapy - Oncolytics</i> , 2020, 19, 278-282.	2.0	5
72	Allogeneic human neural stem cells for improved therapeutic delivery to peritoneal ovarian cancer. <i>Stem Cell Research and Therapy</i> , 2021, 12, 205.	2.4	5

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73	NSCs are permissive to oncolytic <i>Myxoma virus</i> and provide a delivery method for targeted ovarian cancer therapy. <i>Oncotarget</i> , 2020, 11, 4693-4698.	0.8	5
74	Multiple Treatment Cycles of Neural Stem Cell Delivered Oncolytic Adenovirus for the Treatment of Glioblastoma. <i>Cancers</i> , 2021, 13, 6320.	1.7	5
75	Contact and Encirclement of Glioma Cells In Vitro Is an Intrinsic Behavior of a Clonal Human Neural Stem Cell Line. <i>PLoS ONE</i> , 2012, 7, e51859.	1.1	3
76	Stem Cell-based therapies for COVID-19-related acute respiratory distress syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2022, , .	1.6	1
77	Cancer Therapy: Gold Nanoparticle-loaded Neural Stem Cells for Photothermal Ablation of Cancer (<i>Adv. Healthcare Mater.</i> 7/2013). <i>Advanced Healthcare Materials</i> , 2013, 2, 922-922.	3.9	0
78	Neural stem cell-mediated brain tumor therapy. , 2021, , 161-179.		0