Paula Schiapparelli

List of Publications by Year
in descending order

41 papers	1,312 citations	361413 20 h-index	414414 32 g-index
44 all docs	44 docs citations	44 times ranked	2485 citing authors

#	Article	IF	Citations
1	Regulation of Brain Tumor Dispersal by NKCC1 Through a Novel Role in Focal Adhesion Regulation. PLoS Biology, 2012, 10, e1001320.	5.6	140
2	Brain-on-a-chip model enables analysis of human neuronal differentiation and chemotaxis. Lab on A Chip, 2016, 16, 4152-4162.	6.0	119
3	Non-virally engineered human adipose mesenchymal stem cells produce BMP4, target brain tumors, and extend survival. Biomaterials, 2016, 100, 53-66.	11.4	84
4	Characterization of PTEN mutations in brain cancer reveals that pten mono-ubiquitination promotes protein stability and nuclear localization. Oncogene, 2017, 36, 3673-3685.	5.9	82
5	Cancer-selective nanoparticles for combinatorial siRNA delivery to primary human GBM in vitro and in vivo. Biomaterials, 2019, 209, 79-87.	11.4	69
6	Migration Phenotype of Brain-Cancer Cells Predicts Patient Outcomes. Cell Reports, 2016, 15, 2616-2624.	6.4	63
7	A Human iPSC-derived 3D platform using primary brain cancer cells to study drug development and personalized medicine. Scientific Reports, 2019, 9, 1407.	3.3	61
8	Brachyury-YAP Regulatory Axis Drives Stemness and Growth in Cancer. Cell Reports, 2017, 21, 495-507.	6.4	59
9	NKCC1 Regulates Migration Ability of Glioblastoma Cells by Modulation of Actin Dynamics and Interacting with Cofilin. EBioMedicine, 2017, 21, 94-103.	6.1	58
10	Supramolecular Crafting of Self-Assembling Camptothecin Prodrugs with Enhanced Efficacy against Primary Cancer Cells. Theranostics, 2016, 6, 1065-1074.	10.0	56
11	Self-assembling and self-formulating prodrug hydrogelator extends survival in a glioblastoma resection and recurrence model. Journal of Controlled Release, 2020, 319, 311-321.	9.9	53
12	Nanotherapeutic systems for local treatment of brain tumors. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1479.	6.1	51
13	Verteporfin-Loaded Polymeric Microparticles for Intratumoral Treatment of Brain Cancer. Molecular Pharmaceutics, 2019, 16, 1433-1443.	4.6	40
14	Engineering Three-Dimensional Tumor Models to Study Glioma Cancer Stem Cells and Tumor Microenvironment. Frontiers in Cellular Neuroscience, 2020, 14, 558381.	3.7	38
15	A microfluidic cell-migration assay for the prediction of progression-free survival and recurrence time of patients with glioblastoma. Nature Biomedical Engineering, 2021, 5, 26-40.	22.5	38
16	Cellular microenvironment modulates the galvanotaxis of brain tumor initiating cells. Scientific Reports, 2016, 6, 21583.	3.3	36
17	Inhibition of the sonic hedgehog pathway by cyplopamine reduces the CD133+/CD15+ cell compartment and the in vitro tumorigenic capability of neuroblastoma cells. Cancer Letters, 2011, 310, 222-231.	7.2	33
18	Expression and epigenetic modulation of sonic hedgehog-GLI1 pathway genes in neuroblastoma cell lines and tumors. Tumor Biology, 2011, 32, 113-127.	1.8	30

#	Article	IF	Citations
19	Alpha 1-antichymotrypsin contributes to stem cell characteristics and enhances tumorigenicity of glioblastoma. Neuro-Oncology, 2021, 23, 599-610.	1.2	23
20	Regulation of Glioblastoma Tumor-Propagating Cells by the Integrin Partner Tetraspanin CD151. Neoplasia, 2016, 18, 185-198.	5.3	22
21	CD133+ cells from medulloblastoma and PNET cell lines are more resistant to cyclopamine inhibition of the sonic hedgehog signaling pathway than CD133â˜ cells. Tumor Biology, 2010, 31, 381-390.	1.8	21
22	Analysis of stemness gene expression and CD133 abnormal methylation in neuroblastoma cell lines. Oncology Reports, 2010, 24, 1355-62.	2.6	20
23	Verteporfin-Loaded Anisotropic Poly(Beta-Amino Ester)-Based Micelles Demonstrate Brain Cancer-Selective Cytotoxicity and Enhanced Pharmacokinetics . International Journal of Nanomedicine, 2019, Volume 14, 10047-10060.	6.7	18
24	Brief Report: Robo1 Regulates the Migration of Human Subventricular Zone Neural Progenitor Cells During Development. Stem Cells, 2017, 35, 1860-1865.	3.2	16
25	Electrophoresis of cell membrane heparan sulfate regulates galvanotaxis in glial cells. Journal of Cell Science, 2017, 130, 2459-2467.	2.0	16
26	Circulatory shear stress induces molecular changes and side population enrichment in primary tumor-derived lung cancer cells with higher metastatic potential. Scientific Reports, 2021, 11, 2800.	3.3	16
27	Functional Characterization of Brain Tumor-Initiating Cells and Establishment of GBM Preclinical Models that Incorporate Heterogeneity, Therapy, and Sex Differences. Molecular Cancer Therapeutics, 2021, 20, 2585-2597.	4.1	16
28	KIT expression and methylation in medulloblastoma and PNET cell lines and tumors. Journal of Neuro-Oncology, 2011, 103, 247-253.	2.9	10
29	The Study of Brain Tumor Stem Cell Migration. Methods in Molecular Biology, 2019, 1869, 93-104.	0.9	7
30	Phosphorylated WNK kinase networks in recoded bacteria recapitulate physiological function. Cell Reports, 2021, 36, 109416.	6.4	5
31	CD38-targeted therapy in glioblastoma: A step forward.. Journal of Clinical Oncology, 2018, 36, e14030-e14030.	1.6	4
32	Functional Characterization of Brain Tumor-Initiating Cells: Implications for Preclinical Models and Drug Development. Neurosurgery, 2019, 66, 310-807.	1.1	1
33	Abstract 444: Slit2 stimulation induces a chemorepellent effect on the migration of human GBM brain tumor initiating cells. , 2015, , .		1
34	Strategies to Modulate the Blood-Brain Barrier for Directed Brain Tumor Targeting. Neuromethods, 2021, , 79-108.	0.3	1
35	ATPS-90EFFICACY OF NON-VIRAL ENGINEERED ADIPOSE MESENCHYMAL STEM CELLS FOR BRAIN TUMOR THERAPY. Neuro-Oncology, 2015, 17, v38.2-v38.	1.2	0
36	EXTH-43. NOVEL LOCAL TREATMENT FOR GLIOBLASTOMA USING SELF-ASSEMBLING HYDROGELS. Neuro-Oncology, 2016, 18, vi68-vi69.	1.2	0

#	Article	IF	Citations
37	EXTH-06. CD38-TARGETED THERAPY IN GLIOBLASTOMA. Neuro-Oncology, 2018, 20, vi86-vi86.	1.2	0
38	Melatonin Disrupts Glioblastoma Metabolism and Enhances Temozolomide Cytotoxic Effects. Neurosurgery, 2019, 66, 310-644.	1.1	0
39	Animal Models of Brain Tumor Surgery. , 2019, , 169-190.		0
40	Abstract 5247: Analysis of stemness gene expression and CD133 abnormal methylation in neuroblastoma cell lines. , 2010, , .		0
41	The endosomal pH regulator NHE9 is a driver of stemness in glioblastoma. , 2022, 1, pgac013.		0