

James F Curtin

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

5,504
citations

109311

35
h-index

82542

72
g-index

105
all docs

105
docs citations

105
times ranked

7417
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma induced reactive oxygen speciesâ€dependent cytotoxicity in glioblastoma 3D tumourspheres. <i>Plasma Processes and Polymers</i> , 2022, 19, .	3.0	12
2	Comparison Study of an Optimized Ultrasound-Based Method versus an Optimized Conventional Method for Agar Extraction, and Protein Co-Extraction, from <i>Gelidium sesquipedale</i> . <i>Foods</i> , 2022, 11, 805.	4.3	8
3	Limits of Detection of Mycotoxins by Laminar Flow Strips: A Review. <i>Applied Nano</i> , 2022, 3, 91-101.	2.0	4
4	Effect of solvent composition on the extraction of proteins from hemp oil processing stream. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 6293-6298.	3.5	7
5	In silico and in vitro screening for potential anticancer candidates targeting GPR120. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 31, 127672.	2.2	11
6	Inactivation efficacy of atmospheric air plasma and airborne acoustic ultrasound against bacterial biofilms. <i>Scientific Reports</i> , 2021, 11, 2346.	3.3	15
7	Reactive oxygen species (ROS): utilizing injectable antioxidative hydrogels and ROS-producing therapies to manage the double-edged sword. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6326-6346.	5.8	46
8	Ursolic Acid Inhibits Collective Cell Migration and Promotes JNK-Dependent Lysosomal Associated Cell Death in Glioblastoma Multiforme Cells. <i>Pharmaceuticals</i> , 2021, 14, 91.	3.8	15
9	Diagnostics of a large volume pinâ€toâ€plate atmospheric plasma source for the study of plasma species interactions with cancer cell cultures. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000250.	3.0	15
10	Antimicrobials from Seaweeds for Food Applications. <i>Marine Drugs</i> , 2021, 19, 211.	4.6	23
11	G-protein-coupled receptors as therapeutic targets for glioblastoma. <i>Drug Discovery Today</i> , 2021, 26, 2858-2870.	6.4	16
12	Platinum nanoparticles inhibit intracellular ROS generation and protect against cold atmospheric plasma-induced cytotoxicity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102436.	3.3	13
13	Influence of molecular weight fractionation on the antimicrobial and anticancer properties of a fucoidan rich-extract from the macroalgae <i>Fucus vesiculosus</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 186, 994-1002.	7.5	25
14	Converging technologies: targeting the hallmarks of cancer using ultrasound and microbubbles. <i>Trends in Cancer</i> , 2021, 7, 886-890.	7.4	9
15	Enhanced pyrazolopyrimidinones cytotoxicity against glioblastoma cells activated by ROS-Generating cold atmospheric plasma. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113736.	5.5	6
16	Enhanced Anticancer Response of Curcumin- and Piperine-Loaded Lignin-g-p (NIPAM-co-DMAEMA) Gold Nanogels against U-251 MG Glioblastoma Multiforme. <i>Biomedicines</i> , 2021, 9, 1516.	3.2	17
17	Structure based prediction of a novel GPR120 antagonist based on pharmacophore screening and molecular dynamics simulations. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6050-6063.	4.1	9
18	Hospital Effluents and Wastewater Treatment Plants: A Source of Oxytetracycline and Antimicrobial-Resistant Bacteria in Seafood. <i>Sustainability</i> , 2021, 13, 13967.	3.2	4

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19	Innovative processing strategies and technologies to obtain hydrocolloids from macroalgae for food applications. <i>Carbohydrate Polymers</i> , 2020, 248, 116784.	10.2	46
20	Cold atmospheric plasma induces silver nanoparticle uptake, oxidative dissolution and enhanced cytotoxicity in glioblastoma multiforme cells. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108462.	3.0	17
21	Cold Atmospheric Plasma Stimulates Clathrin-Dependent Endocytosis to Repair Oxidised Membrane and Enhance Uptake of Nanomaterial in Glioblastoma Multiforme Cells. <i>Scientific Reports</i> , 2020, 10, 6985.	3.3	23
22	Cold Atmospheric Plasma induces accumulation of lysosomes and caspase-independent cell death in U373MG glioblastoma multiforme cells. <i>Scientific Reports</i> , 2019, 9, 12891.	3.3	36
23	A novel, rapid, seedless, in situ synthesis method of shape and size controllable gold nanoparticles using phosphates. <i>Scientific Reports</i> , 2019, 9, 7421.	3.3	12
24	Developing Gold Nanoparticles-Conjugated Aflatoxin B1 Antifungal Strips. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6260.	4.1	18
25	Combination Strategies for Targeted Delivery of Nanoparticles for Cancer Therapy. , 2019, , 191-219.		8
26	Cold Atmospheric Plasma Induces ATP-Dependent Endocytosis of Nanoparticles and Synergistic U373MG Cancer Cell Death. <i>Scientific Reports</i> , 2018, 8, 5298.	3.3	62
27	Effect of High- and Low-Molecular-Weight Hyaluronic-Acid-Functionalized-AZ31 Mg and Ti Alloys on Proliferation and Differentiation of Osteoblast Cells. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3874-3884.	5.2	11
28	Investigating the Role of Gold Nanoparticle Shape and Size in Their Toxicities to Fungi. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 998.	2.6	23
29	Enhanced corrosion resistance and cytocompatibility of biomimetic hyaluronic acid functionalised silane coating on AZ31 Mg alloy for orthopaedic applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 144.	3.6	14
30	Hydrogen Peroxide and Beyond-the Potential of High-voltage Plasma-activated Liquids Against Cancerous Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 815-823.	1.7	30
31	Biomimetic Hyaluronic Acid-Lysozyme Composite Coating on AZ31 Mg Alloy with Combined Antibacterial and Osteoinductive Activities. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3244-3253.	5.2	23
32	Plasmonic gold nanoparticles for detection of fungi and human cutaneous fungal infections. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4647-4658.	3.7	41
33	Editorial: Glial Cells: Managers of Neuro-Immunity. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 60.	3.7	7
34	Enhanced corrosion protection and biocompatibility of a PLGA-silane coating on AZ31 Mg alloy for orthopaedic applications. <i>RSC Advances</i> , 2016, 6, 113871-113883.	3.6	27
35	Gold nanostars for efficient in vitro and in vivo real-time SERS detection and drug delivery via plasmonic-tunable Raman/FTIR imaging. <i>Biomaterials</i> , 2016, 106, 87-97.	11.4	121
36	Biodegradable magnesium alloys for orthopaedic applications: A review on corrosion, biocompatibility and surface modifications. <i>Materials Science and Engineering C</i> , 2016, 68, 948-963.	7.3	674

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37	Non-thermal atmospheric plasma induces ROS-independent cell death in U373MG glioma cells and augments the cytotoxicity of temozolomide. <i>British Journal of Cancer</i> , 2016, 114, 435-443.	6.4	74
38	Bioresponsive antisense DNA gold nanobeacons as a hybrid in vivo theranostics platform for the inhibition of cancer cells and metastasis. <i>Scientific Reports</i> , 2015, 5, 12297.	3.3	35
39	Abstract 3195: STAT3 inhibition using shRNA inhibits GBM proliferation, cell migration, anchorage-independent growth of mouse, rat, and human stem-like cells in vitro; and it induces long term survival and anti-GBM immunity in vivo. , 2015, , .		0
40	Immunology and the Central Nervous System. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-3.	3.3	1
41	Plasmacytoid Dendritic Cells in the Tumor Microenvironment: Immune Targets for Glioma Therapeutics. <i>Neoplasia</i> , 2012, 14, 757-IN26.	5.3	46
42	Quantitative reagent-free detection of fibrinogen levels in human blood plasma using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1807.	3.5	53
43	B Cells Are Critical to T-cell Mediated Antitumor Immunity Induced by a Combined Immune-Stimulatory/Conditionally Cytotoxic Therapy for Glioblastoma. <i>Neoplasia</i> , 2011, 13, 947-IN23.	5.3	96
44	Gene Therapy and Targeted Toxins for Glioma. <i>Current Gene Therapy</i> , 2011, 11, 155-180.	2.0	66
45	Study of the Efficacy, Biodistribution, and Safety Profile of Therapeutic Gutless Adenovirus Vectors as a Prelude to a Phase I Clinical Trial for Glioblastoma. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 88, 204-213.	4.7	41
46	Exogenous fms-like tyrosine kinase 3 ligand overrides brain immune privilege and facilitates recognition of a neo-antigen without causing autoimmune neuropathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14443-14448.	7.1	20
47	A Novel Bicistronic High-Capacity Gutless Adenovirus Vector That Drives Constitutive Expression of Herpes Simplex Virus Type 1 Thymidine Kinase and Tet-Inducible Expression of Flt3L for Glioma Therapeutics. <i>Journal of Virology</i> , 2010, 84, 6007-6017.	3.4	37
48	Raman Spectroscopy As A Potential Rapid Screening Tool For Venous Thromboembolism. , 2010, , .		0
49	Abstract 1909: B cells present tumor antigen and mediate anti-tumor immunity induced by a combined immune-stimulatory/conditional cytotoxic therapy for glioblastoma. , 2010, , .		0
50	HMGB1 Mediates Endogenous TLR2 Activation and Brain Tumor Regression. <i>PLoS Medicine</i> , 2009, 6, e1000010.	8.4	310
51	Release of HMGB1 in Response to Proapoptotic Glioma Killing Strategies: Efficacy and Neurotoxicity. <i>Clinical Cancer Research</i> , 2009, 15, 4401-4414.	7.0	95
52	Turning the gene tap off; implications of regulating gene expression for cancer therapeutics. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 439-448.	4.1	33
53	Immunization Against the Transgene but not the TetON Switch Reduces Expression From Gutless Adenoviral Vectors in the Brain. <i>Molecular Therapy</i> , 2008, 16, 343-351.	8.2	38
54	Flt3L and TK gene therapy eradicate multifocal glioma in a syngeneic glioblastoma model. <i>Neuro-Oncology</i> , 2008, 10, 19-31.	1.2	68

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55	Treg Depletion Inhibits Efficacy of Cancer Immunotherapy: Implications for Clinical Trials. PLoS ONE, 2008, 3, e1983.	2.5	109
56	Regulated Expression of Adenoviral Vectors-Based Gene Therapies. , 2008, 434, 239-266.		9
57	HMGB1 Mediates Endogenous TLR2 Activation And Brain Tumor Regression.. FASEB Journal, 2008, 22, 515-515.	0.5	1
58	In vivo tumor antigen phagocytosis and trafficking by macrophages and pDCs infiltrating intracranial glioblastomas (GBM) in rats treated with adenoviruses (Ads) expressing TK and Flt3L. FASEB Journal, 2008, 22, 1076.12.	0.5	0
59	Depletion of CD25+ T cells inhibits CD8+ T cells clonal expansion and glioblastoma multiforme regression.. FASEB Journal, 2008, 22, 514-514.	0.5	0
60	Optimization of adenoviral vector-mediated transgene expression in the canine brain in vivo, and in canine glioma cells in vitro. Neuro-Oncology, 2007, 9, 245-258.	1.2	40
61	ADENOVIRAL-MEDIATED GENE TRANSFER INTO THE CANINE BRAIN IN VIVO. Neurosurgery, 2007, 60, 167-178.	1.1	14
62	Intracranial glioblastoma models in preclinical neuro-oncology: neuropathological characterization and tumor progression. Journal of Neuro-Oncology, 2007, 85, 133-148.	2.9	300
63	Quantification of High-Capacity Helper-Dependent Adenoviral Vector Genomes In Vitro and In Vivo, Using Quantitative TaqMan Real-Time Polymerase Chain Reaction. Human Gene Therapy, 2006, 17, 531-544.	2.7	38
64	851. Molecular Determination of High-Capacity Helper Dependent Adenoviral Vector Genomes In Vitro and In Vivo. Molecular Therapy, 2006, 13, S328.	8.2	0
65	In vivo mature immunological synapses forming SMACs mediate clearance of virally infected astrocytes from the brain. Journal of Experimental Medicine, 2006, 203, 2095-2107.	8.5	96
66	Fms-Like Tyrosine Kinase 3 Ligand Recruits Plasmacytoid Dendritic Cells to the Brain. Journal of Immunology, 2006, 176, 3566-3577.	0.8	88
67	Effective High-Capacity Gutless Adenoviral Vectors Mediate Transgene Expression in Human Glioma Cells. Molecular Therapy, 2006, 14, 371-381.	8.2	44
68	424. Myd88/TLR Signaling Is Required for Immunotherapy-Mediated Glioblastoma Regression. Molecular Therapy, 2006, 13, S163.	8.2	0
69	147. Effective Gene Transfer to Human Glioma Cells Using High Capacity Adenoviral Vectors: Human Glioma Cells Express Substantial Levels of CAR and Integrin Adenoviral Co-Receptors. Molecular Therapy, 2006, 13, S58.	8.2	0
70	621. Immunological Memory in a Syngeneic Model of Recurrent and Multifocal Glioblastoma. Molecular Therapy, 2006, 13, S239.	8.2	0
71	999. Mature Effector Immunological Synapses Forming SMAC Mediate Clearance of Virally Infected Astrocytes from the Brain In Vivo. Molecular Therapy, 2006, 13, S385.	8.2	0
72	Regulatable Gutless Adenovirus Vectors Sustain Inducible Transgene Expression in the Brain in the Presence of an Immune Response against Adenoviruses. Journal of Virology, 2006, 80, 27-37.	3.4	89

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73	Novel Gene Therapeutic Approaches to Brain Cancer. , 2006, , 229-264.		0
74	In vivo mature immunological synapses forming SMACs mediate clearance of virally infected astrocytes from the brain. Journal of Cell Biology, 2006, 174, i10-i10.	5.2	0
75	Fluorescence based oxygen uptake analysis in the study of metabolic responses to apoptosis induction. Journal of Immunological Methods, 2005, 306, 193-201.	1.4	20
76	Combining Cytotoxic and Immune-Mediated Gene Therapy to Treat Brain Tumors. Current Topics in Medicinal Chemistry, 2005, 5, 1151-1170.	2.1	44
77	Gene Therapy and Targeted Toxins for Glioma. Current Gene Therapy, 2005, 5, 535-557.	2.0	71
78	Combined Immunostimulation and Conditional Cytotoxic Gene Therapy Provide Long-term Survival in a Large Glioma Model. Cancer Research, 2005, 65, 7194-7204.	0.9	121
79	Regulatable gene expression systems for gene therapy applications: progress and future challenges. Molecular Therapy, 2005, 12, 189-211.	8.2	252
80	Inflammatory and Anti-glioma Effects of an Adenovirus Expressing Human Soluble Fms-like Tyrosine Kinase 3 Ligand (hsFlt3L): Treatment with hsFlt3L Inhibits Intracranial Glioma Progression. Molecular Therapy, 2004, 10, 1071-1084.	8.2	86
81	JNK Regulates HIPK3 Expression and Promotes Resistance to Fas-mediated Apoptosis in DU 145 Prostate Carcinoma Cells. Journal of Biological Chemistry, 2004, 279, 17090-17100.	3.4	77
82	Isolation of cancer stem cells from adult glioblastoma multiforme. Oncogene, 2004, 23, 9392-9400.	5.9	747
83	Live and let die: regulatory mechanisms in Fas-mediated apoptosis. Cellular Signalling, 2003, 15, 983-992.	3.6	169
84	Defects in death-inducing signalling complex formation prevent JNK activation and Fas-mediated apoptosis in DU 145 prostate carcinoma cells. British Journal of Cancer, 2003, 89, 1950-1957.	6.4	7
85	Apoptosis: Historical perspectives. Essays in Biochemistry, 2003, 39, 1-10.	4.7	18
86	Regulation and measurement of oxidative stress in apoptosis. Journal of Immunological Methods, 2002, 265, 49-72.	1.4	503
87	Anisomycin activates JNK and sensitises DU 145 prostate carcinoma cells to Fas mediated apoptosis. British Journal of Cancer, 2002, 87, 1188-1194.	6.4	44
88	Induction of apoptosis in prostate carcinoma cells by BH3 peptides which inhibit Bak/Bcl-2 interactions. British Journal of Cancer, 2001, 85, 115-121.	6.4	47
89	Synergistic cytotoxicity from cold atmospheric plasma and ultrasound in glioma cells. Plasma Processes and Polymers, 0, , .	3.0	1