

Joseph M Caster

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,760
citations

279701

23
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

5369
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Translation of Nanomedicine. <i>Chemical Reviews</i> , 2015, 115, 11147-11190.	23.0	619
2	Antigen-capturing nanoparticles improve the abscopal effect and cancer immunotherapy. <i>Nature Nanotechnology</i> , 2017, 12, 877-882.	15.6	541
3	Investigational nanomedicines in 2016: a review of nanotherapeutics currently undergoing clinical trials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1416.	3.3	299
4	Are adolescents more vulnerable to drug addiction than adults? Evidence from animal models. <i>Psychopharmacology</i> , 2009, 206, 1-21.	1.5	179
5	Folate-targeted pH-responsive calcium zoledronate nanoscale metal-organic frameworks: Turning a bone antiresorptive agent into an anticancer therapeutic. <i>Biomaterials</i> , 2016, 82, 178-193.	5.7	100
6	Effect of particle size on the biodistribution, toxicity, and efficacy of drug-loaded polymeric nanoparticles in chemoradiotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1673-1683.	1.7	78
7	Organ-specific metastases obtained by culturing colorectal cancer cells on tissue-specific decellularized scaffolds. <i>Nature Biomedical Engineering</i> , 2018, 2, 443-452.	11.6	73
8	Enhanced behavioral response to repeated-dose cocaine in adolescent rats. <i>Psychopharmacology</i> , 2005, 183, 218-225.	1.5	72
9	The Role of Calcineurin/NFAT in SFRP2 Induced Angiogenesis—A Rationale for Breast Cancer Treatment with the Calcineurin Inhibitor Tacrolimus. <i>PLoS ONE</i> , 2011, 6, e20412.	1.1	72
10	Improving Cancer Chemoradiotherapy Treatment by Dual Controlled Release of Wortmannin and Docetaxel in Polymeric Nanoparticles. <i>ACS Nano</i> , 2015, 9, 8976-8996.	7.3	67
11	CRLX101, a Nanoparticle—Drug Conjugate Containing Camptothecin, Improves Rectal Cancer Chemoradiotherapy by Inhibiting DNA Repair and HIF1 α . <i>Cancer Research</i> , 2017, 77, 112-122.	0.4	60
12	Nanoparticle formulations of histone deacetylase inhibitors for effective chemoradiotherapy in solid tumors. <i>Biomaterials</i> , 2015, 51, 208-215.	5.7	59
13	First-in-Human Phase I Clinical Trial of Pharmacologic Ascorbate Combined with Radiation and Temozolomide for Newly Diagnosed Glioblastoma. <i>Clinical Cancer Research</i> , 2019, 25, 6590-6597.	3.2	52
14	Risk of Pathologic Upgrading or Locally Advanced Disease in Early Prostate Cancer Patients Based on Biopsy Gleason Score and PSA: A Population-Based Study of Modern Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 244-251.	0.4	49
15	A single high dose of cocaine induces differential sensitization to specific behaviors across adolescence. <i>Psychopharmacology</i> , 2007, 193, 247-260.	1.5	48
16	Gonadal steroids mediate the opposite changes in cocaine-induced locomotion across adolescence in male and female rats. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 89, 314-323.	1.3	47
17	Optimizing Advances in Nanoparticle Delivery for Cancer Immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2019, 144, 3-15.	6.6	44
18	Dopamine Uptake Inhibitors but Not Dopamine Releasers Induce Greater Increases in Motor Behavior and Extracellular Dopamine in Adolescent Rats Than in Adult Male Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 124-132.	1.3	35

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19	Improving DNA double-strand repair inhibitor KU55933 therapeutic index in cancer radiotherapy using nanoparticle drug delivery. <i>Nanoscale</i> , 2015, 7, 20211-20219.	2.8	35
20	Novelty-induced locomotion is positively associated with cocaine ingestion in adolescent rats; anxiety is correlated in adults. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 91, 398-408.	1.3	33
21	Nanoparticle delivery of chemosensitizers improve chemotherapy efficacy without incurring additional toxicity. <i>Nanoscale</i> , 2015, 7, 2805-2811.	2.8	32
22	Multivalent Binding and Biomimetic Cell Rolling Improves the Sensitivity and Specificity of Circulating Tumor Cell Capture. <i>Clinical Cancer Research</i> , 2018, 24, 2539-2547.	3.2	32
23	Combination Therapy with Radiation and PARP Inhibition Enhances Responsiveness to Anti-PD-1 Therapy in Colorectal Tumor Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 81-92.	0.4	28
24	Individual differences in psychostimulant responses of female rats are associated with ovarian hormones and dopamine neuroanatomy. <i>Neuropharmacology</i> , 2012, 62, 2267-2277.	2.0	24
25	Preclinical Evaluation of Prometil, a Radiation-Responsive Liposomal Formulation of Mitomycin C Prodrug, in Chemoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 547-555.	0.4	23
26	Nanoparticle delivery of chemotherapy combination regimen improves the therapeutic efficacy in mouse models of lung cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1301-1307.	1.7	19
27	Nanotechnology in Radiation Oncology. <i>Hematology/Oncology Clinics of North America</i> , 2019, 33, 1071-1093.	0.9	12
28	Applying nanotherapeutics to improve chemoradiotherapy treatment for cancer. <i>Therapeutic Delivery</i> , 2017, 8, 791-803.	1.2	11
29	Direct Observation of Early-Stage High-Dose Radiotherapy-Induced Vascular Injury via Basement Membrane-Targeting Nanoparticles. <i>Small</i> , 2015, 11, 6404-6410.	5.2	8
30	Effect of internal mammary vessels radiation dose on outcomes of free flap breast reconstruction. <i>Breast Journal</i> , 2019, 25, 286-289.	0.4	6