

Sebastien Monette

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,848
citations

236925

25
h-index

189892

50
g-index

70
all docs

70
docs citations

70
times ranked

6019
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasmall nanoparticles induce ferroptosis in nutrient-deprived cancer cells and suppress tumour growth. <i>Nature Nanotechnology</i> , 2016, 11, 977-985.	31.5	467
2	Surface-enhanced resonance Raman scattering nanostars for high-precision cancer imaging. <i>Science Translational Medicine</i> , 2015, 7, 271ra7.	12.4	236
3	Lactose drives <i>Enterococcus</i> expansion to promote graft-versus-host disease. <i>Science</i> , 2019, 366, 1143-1149.	12.6	217
4	Synthetic Lethal and Convergent Biological Effects of Cancer-Associated Spliceosomal Gene Mutations. <i>Cancer Cell</i> , 2018, 34, 225-241.e8.	16.8	162
5	The SWI/SNF Protein PBRM1 Restrains VHL-Loss-Driven Clear Cell Renal Cell Carcinoma. <i>Cell Reports</i> , 2017, 18, 2893-2906.	6.4	153
6	RIG-I/MAVS and STING signaling promote gut integrity during irradiation- and immune-mediated tissue injury. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	114
7	Hematopoietic Stem Cell Origin of <i>BRAF</i> V600E Mutations in Hairy Cell Leukemia. <i>Science Translational Medicine</i> , 2014, 6, 238ra71.	12.4	102
8	AAVrh.10-Mediated APOE2 Central Nervous System Gene Therapy for APOE4-Associated Alzheimer's Disease. <i>Human Gene Therapy Clinical Development</i> , 2018, 29, 24-47.	3.1	90
9	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. <i>Cell</i> , 2018, 175, 530-543.e24.	28.9	89
10	GNA11 Q209L Mouse Model Reveals RasGRP3 as an Essential Signaling Node in Uveal Melanoma. <i>Cell Reports</i> , 2018, 22, 2455-2468.	6.4	75
11	Systemic Antitumor Immunity by PD-1/PD-L1 Inhibition Is Potentiated by Vascular-Targeted Photodynamic Therapy of Primary Tumors. <i>Clinical Cancer Research</i> , 2018, 24, 592-599.	7.0	75
12	Fc-Mediated Anomalous Biodistribution of Therapeutic Antibodies in Immunodeficient Mouse Models. <i>Cancer Research</i> , 2018, 78, 1820-1832.	0.9	69
13	mTORC1 promotes cell growth via m6A-dependent mRNA degradation. <i>Molecular Cell</i> , 2021, 81, 2064-2075.e8.	9.7	50
14	Pathology of Aging in NOD γ Female Mice. <i>Veterinary Pathology</i> , 2017, 54, 855-869.	1.7	48
15	Expression of the Carboxy-Terminal Portion of MUC16/CA125 Induces Transformation and Tumor Invasion. <i>PLoS ONE</i> , 2015, 10, e0126633.	2.5	41
16	ADAM10-Dependent Signaling Through Notch1 and Notch4 Controls Development of Organ-Specific Vascular Beds. <i>Circulation Research</i> , 2016, 119, 519-531.	4.5	39
17	Blood-induced bone loss in murine hemophilic arthropathy is prevented by blocking the α 2ADAM17/TNF- α pathway. <i>Blood</i> , 2018, 132, 1064-1074.	1.4	38
18	Curative Multicycle Radioimmunotherapy Monitored by Quantitative SPECT/CT-Based Theranostics, Using Bispecific Antibody Pretargeting Strategy in Colorectal Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1735-1742.	5.0	36

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19	Molecular phenotyping and image-guided surgical treatment of melanoma using spectrally distinct ultrasmall core-shell silica nanoparticles. <i>Science Advances</i> , 2019, 5, eaax5208.	10.3	36
20	ADAM10 controls the differentiation of the coronary arterial endothelium. <i>Angiogenesis</i> , 2019, 22, 237-250.	7.2	36
21	Structural modeling defines transmembrane residues in ADAM17 that are crucial for Rhbdf2/ADAM17-dependent proteolysis. <i>Journal of Cell Science</i> , 2017, 130, 868-878.	2.0	34
22	Preclinical ⁸⁹ Zr Immuno-PET of High-Grade Serous Ovarian Cancer and Lymph Node Metastasis. <i>Journal of Nuclear Medicine</i> , 2016, 57, 771-776.	5.0	31
23	Glomerular endothelial cell maturation depends on ADAM10, a key regulator of Notch signaling. <i>Angiogenesis</i> , 2018, 21, 335-347.	7.2	31
24	Intraoperative Ultrasound and Tissue Elastography Measurements Do Not Predict the Size of Hepatic Microwave Ablations. <i>Academic Radiology</i> , 2014, 21, 72-78.	2.5	30
25	Feasibility of Catheter-Directed Intraluminal Irreversible Electroporation of Porcine Ureter and Acute Outcomes in Response to Increasing Energy Delivery. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1059-1066.	0.5	28
26	Alpha radioimmunotherapy using ²²⁵ Ac-proteus-DOTA for solid tumors - safety at curative doses. <i>Theranostics</i> , 2020, 10, 11359-11375.	10.0	26
27	Alloreactive T cells deficient of the short-chain fatty acid receptor GPR109A induce less graft-versus-host disease. <i>Blood</i> , 2022, 139, 2392-2405.	1.4	24
28	Nonthermal Ablation by Using Intravascular Oxygen Radical Generation with WST11: Dynamic Tissue Effects and Implications for Focal Therapy. <i>Radiology</i> , 2016, 281, 109-118.	7.3	23
29	Murine and related chapparvoviruses are nephro-tropic and produce novel accessory proteins in infected kidneys. <i>PLoS Pathogens</i> , 2020, 16, e1008262.	4.7	23
30	Prognostic Indicators and Clinical Outcome in Dogs with Subcutaneous Mast Cell Tumors Treated with Surgery Alone: 43 Cases. <i>Journal of the American Animal Hospital Association</i> , 2020, 56, 215-225.	1.1	21
31	Transmural ablation of the normal porcine common bile duct with catheter-directed irreversible electroporation is feasible and does not affect duct patency. <i>Gastrointestinal Endoscopy</i> , 2018, 87, 300.e1-300.e6.	1.0	20
32	Normal Porcine Ureter Retains Lumen Wall Integrity but Not Patency Following Catheter-Directed Irreversible Electroporation: Imaging and Histologic Assessment over 28 Days. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 913-919.e1.	0.5	19
33	Androgen Deprivation Therapy Potentiates the Efficacy of Vascular Targeted Photodynamic Therapy of Prostate Cancer Xenografts. <i>Clinical Cancer Research</i> , 2018, 24, 2408-2416.	7.0	19
34	Induction and characterization of pancreatic cancer in a transgenic pig model. <i>PLoS ONE</i> , 2020, 15, e0239391.	2.5	19
35	A Self-Assembling and Disassembling (SADA) Bispecific Antibody (BsAb) Platform for Curative Two-step Pretargeted Radioimmunotherapy. <i>Clinical Cancer Research</i> , 2021, 27, 532-541.	7.0	19
36	MRI-guided focused ultrasound ablation of lumbar medial branch nerve: Feasibility and safety study in a swine model. <i>International Journal of Hyperthermia</i> , 2016, 32, 786-794.	2.5	18

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37	Treatment Effects of WST11 Vascular Targeted Photodynamic Therapy for Urothelial Cell Carcinoma in Swine. <i>Journal of Urology</i> , 2016, 196, 236-243.	0.4	18
38	An apoptosis-dependent checkpoint for autoimmunity in memory B and plasma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24957-24963.	7.1	18
39	Carbon nanotubes exhibit fibrillar pharmacology in primates. <i>PLoS ONE</i> , 2017, 12, e0183902.	2.5	18
40	CD19-directed chimeric antigen receptor T cell therapy in Waldenström macroglobulinemia: a preclinical model and initial clinical experience. , 2022, 10, e004128.		18
41	Oncolytic herpes simplex virus kills stem-like tumor-initiating colon cancer cells. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16013.	4.4	16
42	Pleural Puncture that Excludes the Ablation Zone Decreases the Risk of Pneumothorax after Percutaneous Microwave Ablation in Porcine Lung. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1052-1058.	0.5	14
43	High power microwave ablation of normal swine lung: impact of duration of energy delivery on adverse event and heat sink effects. <i>International Journal of Hyperthermia</i> , 2018, 34, 1186-1193.	2.5	14
44	Transarterial Embolization of Liver Cancer in a Transgenic Pig Model. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 510-517.e3.	0.5	14
45	Catheter-based endobronchial electroporation is feasible for the focal treatment of peribronchial tumors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2150-2159.e3.	0.8	13
46	Developmental and behavioral effects of toe clipping on neonatal and preweanling mice with and without vapocoolant anesthesia. <i>Journal of the American Association for Laboratory Animal Science</i> , 2014, 53, 132-40.	1.2	13
47	Interferon regulatory factor 2 protects mice from lethal viral neuroinvasion. <i>Journal of Experimental Medicine</i> , 2016, 213, 2931-2947.	8.5	12
48	In Vivo Imaging With Confirmation by Histopathology for Increased Rigor and Reproducibility in Translational Research: A Review of Examples, Options, and Resources. <i>ILAR Journal</i> , 2018, 59, 80-98.	1.8	12
49	Ultrasmall Nanoparticle Delivery of Doxorubicin Improves Therapeutic Index for High-Grade Glioma. <i>Clinical Cancer Research</i> , 2022, 28, 2938-2952.	7.0	11
50	Ablation of the sacroiliac joint using MR-guided high intensity focused ultrasound: a preliminary experiment in a swine model. <i>Journal of Therapeutic Ultrasound</i> , 2017, 5, 17.	2.2	10
51	Caveolin-1 temporal modulation enhances antibody drug efficacy in heterogeneous gastric cancer. <i>Nature Communications</i> , 2022, 13, 2526.	12.8	10
52	Targeted truncation of the ADAM17 cytoplasmic domain in mice results in protein destabilization and a hypomorphic phenotype. <i>Journal of Biological Chemistry</i> , 2021, 296, 100733.	3.4	9
53	Effects of Breeding Configuration on Maternal and Weanling Behavior in Laboratory Mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2017, 56, 369-376.	1.2	8
54	Reemergence of the Murine Bacterial Pathogen <i>Chlamydia muridarum</i> in Research Mouse Colonies. <i>Comparative Medicine</i> , 2022, 72, 230-242.	1.0	7

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55	The potential risk of tumor progression after use of dehydrated human amnion/chorion membrane allograft in a positive margin resection model. <i>Therapeutic Advances in Urology</i> , 2019, 11, 175628721983777.	2.0	6
56	Engineered Cells as a Test Platform for Radiohaptens in Pretargeted Imaging and Radioimmunotherapy Applications. <i>Bioconjugate Chemistry</i> , 2021, 32, 649-654.	3.6	6
57	A Novel $\hat{\pm}$ -Hemolytic <i>Streptococcus</i> Species (<i>Streptococcus azizii</i> sp. nov.) Associated with Meningoencephalitis in Na ⁺ -ve Weanling C57BL/6 Mice. <i>Comparative Medicine</i> , 2015, 65, 186-95.	1.0	6
58	Intraperitoneal Pretargeted Radioimmunotherapy for Colorectal Peritoneal Carcinomatosis. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 125-137.	4.1	5
59	Phenotypic and molecular states of IDH1 mutation-induced CD24-positive glioma stem-like cells. <i>Neoplasia</i> , 2022, 28, 100790.	5.3	5
60	Positron Emission Tomography/Computed Tomography with Gallium-68 ⁶⁸ labeled Prostate-specific Membrane Antigen Detects Relapse After Vascular-targeted Photodynamic Therapy in a Prostate Cancer Model. <i>European Urology Focus</i> , 2021, 7, 472-478.	3.1	4
61	Neoadjuvant vascular-targeted photodynamic therapy improves survival and reduces recurrence and progression in a mouse model of urothelial cancer. <i>Scientific Reports</i> , 2021, 11, 4842.	3.3	4
62	Ultrasound-Guided Percutaneous Laser Ablation of the Thyroid Gland in a Swine Model: Comparison of Ablation Parameters and Ablation Zone Dimensions.. <i>CardioVascular and Interventional Radiology</i> , 2021, 44, 1798-1806.	2.0	4
63	Disseminated coelomic xanthogranulomatosis in eclectic parrots (<i>Eclectus roratus</i>) and budgerigars (<i>Melopsittacus undulatus</i>). <i>Veterinary Pathology</i> , 2022, 59, 143-151.	1.7	4
64	Feasibility of a Modified Biopsy Needle for Irreversible Electroporation Ablation and Periprocedural Tissue Sampling. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 749-758.	1.9	3
65	Chaphamaparvovirus antigen and nucleic acids are not detected in kidney tissues from cats with chronic renal disease or immunocompromised cats. <i>Veterinary Pathology</i> , 2022, 59, 120-126.	1.7	3
66	Augmented fluoroscopy guided transbronchial pulmonary microwave ablation using a steerable sheath. <i>Translational Lung Cancer Research</i> , 2022, 11, 150-164.	2.8	3
67	Abstract No. 617 Nonthermal ablation of pancreatic cancer in a pig model, using vascular-targeted photodynamic therapy (VTP). <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, S266.	0.5	1
68	Abstract 15364: Radiation Exposure of the Base of the Heart Accelerates Coronary Atherosclerosis. <i>Circulation</i> , 2020, 142, .	1.6	1