

Marie-Odile Parat

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82
papers

2,896
citations

34
h-index

52
g-index

88
ext. papers

3,314
ext. citations

5.3
avg, IF

5.24
L-index

#	Paper	IF	Citations
82	Solvent Supercritical Fluid Technologies to Extract Bioactive Compounds from Natural Sources: A Review. <i>Molecules</i> , 2017 , 22,	4.8	183
81	A role for caveolae in cell migration. <i>FASEB Journal</i> , 2004 , 18, 1801-11	0.9	133
80	Morphine and tumor growth and metastasis. <i>Cancer and Metastasis Reviews</i> , 2011 , 30, 225-38	9.6	128
79	Differential caveolin-1 polarization in endothelial cells during migration in two and three dimensions. <i>Molecular Biology of the Cell</i> , 2003 , 14, 3156-68	3.5	122
78	Can regional analgesia reduce the risk of recurrence after breast cancer? Methodology of a multicenter randomized trial. <i>Contemporary Clinical Trials</i> , 2008 , 29, 517-26	2.3	120
77	Photodynamic effects of hypericin on lipid peroxidation and antioxidant status in melanoma cells. <i>Photochemistry and Photobiology</i> , 1996 , 64, 375-81	3.6	104
76	Modulation of p53 protein conformation and DNA-binding activity by intracellular chelation of zinc. <i>Molecular Carcinogenesis</i> , 1998 , 21, 205-14	5	92
75	Calcium channel TRPV6 as a potential therapeutic target in estrogen receptor-negative breast cancer. <i>Molecular Cancer Therapeutics</i> , 2012 , 11, 2158-68	6.1	88
74	Abrogation of PIK3CA or PIK3R1 reduces proliferation, migration, and invasion in glioblastoma multiforme cells. <i>Oncotarget</i> , 2011 , 2, 833-49	3.3	88
73	Discovery and Structure-Activity Relationships of a Highly Selective Butyrylcholinesterase Inhibitor by Structure-Based Virtual Screening. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7683-9	8.3	84
72	The biology of caveolae: achievements and perspectives. <i>International Review of Cell and Molecular Biology</i> , 2009 , 273, 117-62	6	72
71	Non-stimulated, agonist-stimulated and store-operated Ca ²⁺ influx in MDA-MB-468 breast cancer cells and the effect of EGF-induced EMT on calcium entry. <i>PLoS ONE</i> , 2012 , 7, e36923	3.7	69
70	Anticancer activity of Carica papaya: a review. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 153-64	5.9	63
69	Consensus statement from the BJA Workshop on Cancer and Anaesthesia. <i>British Journal of Anaesthesia</i> , 2015 , 114, 2-3	5.4	59
68	Involvement of zinc in intracellular oxidant/antioxidant balance. <i>Biological Trace Element Research</i> , 1997 , 60, 187-204	4.5	58
67	Bifunctional Succinylated Polylysine-Coated Mesoporous Silica Nanoparticles for pH-Responsive and Intracellular Drug Delivery Targeting the Colon. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9470-9483	8.5	57
66	Photodynamically induced cytotoxicity of hypericin dye on human fibroblast cell line MRC5. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1995 , 27, 139-46	6.7	57

65	PTRF-cavin-1 expression decreases the migration of PC3 prostate cancer cells: role of matrix metalloprotease 9. <i>European Journal of Cell Biology</i> , 2011 , 90, 136-42	6.1	55
64	Palmitoylation of caveolin-1 in endothelial cells is post-translational but irreversible. <i>Journal of Biological Chemistry</i> , 2001 , 276, 15776-82	5.4	54
63	Zinc and DNA fragmentation in keratinocyte apoptosis: its inhibitory effect in UVB irradiated cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997 , 37, 101-6	6.7	52
62	Assessment of gene expression of intracellular calcium channels, pumps and exchangers with epidermal growth factor-induced epithelial-mesenchymal transition in a breast cancer cell line. <i>Cancer Cell International</i> , 2013 , 13, 76	6.4	50
61	Remodeling of purinergic receptor-mediated Ca ²⁺ signaling as a consequence of EGF-induced epithelial-mesenchymal transition in breast cancer cells. <i>PLoS ONE</i> , 2011 , 6, e23464	3.7	46
60	Are caveolae a cellular entry route for non-viral therapeutic delivery systems?. <i>Advanced Drug Delivery Reviews</i> , 2015 , 91, 92-108	18.5	45
59	Caveolin-1 plays a critical role in the differentiation of monocytes into macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, e117-25	9.4	45
58	Co-regulation of cell polarization and migration by caveolar proteins PTRF/Cavin-1 and caveolin-1. <i>PLoS ONE</i> , 2012 , 7, e43041	3.7	45
57	Mango extracts and the mango component mangiferin promote endothelial cell migration. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 5181-6	5.7	45
56	Morphine Modulates Interleukin-4- or Breast Cancer Cell-induced Pro-metastatic Activation of Macrophages. <i>Scientific Reports</i> , 2015 , 5, 11389	4.9	44
55	Morphine and breast tumor metastasis: the role of matrix-degrading enzymes. <i>Clinical and Experimental Metastasis</i> , 2014 , 31, 149-58	4.7	44
54	Comparison and analysis of the animal models used to study the effect of morphine on tumour growth and metastasis. <i>British Journal of Pharmacology</i> , 2015 , 172, 251-9	8.6	41
53	Caveolin-1, caveolae, and glioblastoma. <i>Neuro-Oncology</i> , 2012 , 14, 679-88	1	41
52	Caveola-forming proteins caveolin-1 and PTRF in prostate cancer. <i>Nature Reviews Urology</i> , 2013 , 10, 529-36	5.5	40
51	PTRF/Cavin-1 decreases prostate cancer angiogenesis and lymphangiogenesis. <i>Oncotarget</i> , 2013 , 4, 1844-55	3.5	35
50	Oxidative stress inhibits caveolin-1 palmitoylation and trafficking in endothelial cells. <i>Biochemical Journal</i> , 2002 , 361, 681-688	3.8	34
49	Diet-induced hypercholesterolemia promotes androgen-independent prostate cancer metastasis via IQGAP1 and caveolin-1. <i>Oncotarget</i> , 2015 , 6, 7438-53	3.3	34
48	Activation of μ opioid receptor and Toll-like receptor 4 by plasma from morphine-treated mice. <i>Brain, Behavior, and Immunity</i> , 2017 , 61, 244-258	16.6	31

47	Cavin Family: New Players in the Biology of Caveolae. <i>International Review of Cell and Molecular Biology</i> , 2015 , 320, 235-305	6	31
46	Morphine use in cancer surgery. <i>Frontiers in Pharmacology</i> , 2011 , 2, 46	5.6	31
45	Reassessing the role of phosphocaveolin-1 in cell adhesion and migration. <i>Traffic</i> , 2007 , 8, 1695-1705	5.7	30
44	Altered angiogenesis in caveolin-1 gene-deficient mice is restored by ablation of endothelial nitric oxide synthase. <i>American Journal of Pathology</i> , 2012 , 180, 1702-14	5.8	28
43	Chemical Characterization and in Vitro Cytotoxicity on Squamous Cell Carcinoma Cells of Carica papaya Leaf Extracts. <i>Toxins</i> , 2015 , 8,	4.9	26
42	Effect of the Biphenyl Neolignan Honokiol on A β Induced Toxicity in <i>Caenorhabditis elegans</i> , A β Fibrillation, Cholinesterase Activity, DPPH Radicals, and Iron(II) Chelation. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1901-1912	5.7	24
41	Caveolin-1 polarization in transmigrating endothelial cells requires binding to intermediate filaments. <i>Angiogenesis</i> , 2007 , 10, 297-305	10.6	24
40	Morphine decreases the pro-angiogenic interaction between breast cancer cells and macrophages in vitro. <i>Scientific Reports</i> , 2016 , 6, 31572	4.9	23
39	Oxidative stress inhibits caveolin-1 palmitoylation and trafficking in endothelial cells. <i>Biochemical Journal</i> , 2002 , 361, 681-8	3.8	23
38	Multifunctional Analogs of Kynurenic Acid for the Treatment of Alzheimer's Disease: Synthesis, Pharmacology, and Molecular Modeling Studies. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 2667-2675	5.7	21
37	Rivastigmine and metabolite analogues with putative Alzheimer's disease-modifying properties in a <i>Caenorhabditis elegans</i> model. <i>Communications Chemistry</i> , 2019 , 2,	6.3	19
36	Traditional Aboriginal Preparation Alters the Chemical Profile of Carica papaya Leaves and Impacts on Cytotoxicity towards Human Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2016 , 11, e0147956	3.7	18
35	Does manganese protect cultured human skin fibroblasts against oxidative injury by UVA, dithranol and hydrogen peroxide?. <i>Free Radical Research</i> , 1995 , 23, 339-51	4	16
34	Stably engineered nanobubbles and ultrasound - An effective platform for enhanced macromolecular delivery to representative cells of the retina. <i>PLoS ONE</i> , 2017 , 12, e0178305	3.7	16
33	Effect of Perioperative Opioids on Cancer-Relevant Circulating Parameters: Mu Opioid Receptor and Toll-Like Receptor 4 Activation Potential, and Proteolytic Profile. <i>Clinical Cancer Research</i> , 2018 , 24, 2319-2327	12.9	15
32	Non-caveolar caveolin-1 expression in prostate cancer cells promotes lymphangiogenesis. <i>Oncoscience</i> , 2015 , 2, 635-45	0.8	15
31	Morphine alters the circulating proteolytic profile in mice: functional consequences on cellular migration and invasion. <i>FASEB Journal</i> , 2017 , 31, 5208-5216	0.9	14
30	Impairment of cultured cell proliferation and metallothionein expression by metal chelator NNN'N'-tetrakis-(2-pyridylmethyl)ethylene diamine. <i>Biological Trace Element Research</i> , 1999 , 70, 51-68	4.5	14

29	Molecular Determinants of the Cellular Entry of Asymmetric Peptide Dendrimers and Role of Caveolae. <i>PLoS ONE</i> , 2016 , 11, e0147491	3.7	13
28	Anticancer activities of dietary benzyl isothiocyanate: A comprehensive review. <i>Pharmacological Research</i> , 2021 , 169, 105666	10.2	12
27	Oxidative stress, caveolae and caveolin-1. <i>Sub-Cellular Biochemistry</i> , 2004 , 37, 425-41	5.5	12
26	Caveolin-1 polarization in migrating endothelial cells is directed by substrate topology not chemoattractant gradient. <i>Cytoskeleton</i> , 2006 , 63, 673-80		11
25	Metal chelator NNNNN-tetrakis-(2-pyridymethyl)ethylene diamine inhibits the induction of heat shock protein 70 synthesis by heat in cultured keratinocytes. <i>Biological Trace Element Research</i> , 1998 , 65, 261-70	4.5	10
24	The TLR4-Active Morphine Metabolite Morphine-3-Glucuronide Does Not Elicit Macrophage Classical Activation. <i>Frontiers in Pharmacology</i> , 2016 , 7, 441	5.6	9
23	Matrix protease production, epithelial-to-mesenchymal transition marker expression and invasion of glioblastoma cells in response to osmotic or hydrostatic pressure. <i>Scientific Reports</i> , 2020 , 10, 2634	4.9	8
22	Express in Vitro Plasmid Transfection Achieved with 16 Asymmetric Peptide Dendrimers. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 438-445	5.5	7
21	Stable isotope-labelled morphine to study in vivo central and peripheral morphine glucuronidation and brain transport in tolerant mice. <i>British Journal of Pharmacology</i> , 2018 , 175, 3844-3856	8.6	6
20	Altered localization of H-Ras in caveolin-1-null cells is palmitoylation-independent. <i>Journal of Cell Communication and Signaling</i> , 2007 , 1, 195-204	5.2	6
19	Correlation of the invasive potential of glioblastoma and expression of caveola-forming proteins caveolin-1 and CAVIN1. <i>Journal of Neuro-Oncology</i> , 2019 , 143, 207-220	4.8	5
18	Factorial design-assisted supercritical carbon-dioxide extraction of cytotoxic active principles from <i>Carica papaya</i> leaf juice. <i>Scientific Reports</i> , 2019 , 9, 1716	4.9	5
17	A role for caveola-forming proteins caveolin-1 and CAVIN1 in the pro-invasive response of glioblastoma to osmotic and hydrostatic pressure. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 3724-3738	5.6	5
16	Effect of lysine antifibrinolytics and cyclooxygenase inhibitors on the proteolytic profile of breast cancer cells interacting with macrophages or endothelial cells. <i>British Journal of Anaesthesia</i> , 2014 , 113 Suppl 1, i22-31	5.4	5
15	Role of extracellular domain dimerization in agonist-induced activation of natriuretic peptide receptor A. <i>Molecular Pharmacology</i> , 2008 , 73, 431-40	4.3	5
14	Lithium reverses mechanical allodynia through a mu opioid-dependent mechanism. <i>Molecular Pain</i> , 2018 , 14, 1744806917754142	3.4	4
13	Opioid Analgesic Agents and Cancer Cell Biology. <i>Current Anesthesiology Reports</i> , 2015 , 5, 278-284	1	3
12	Compound Identification and In Vitro Cytotoxicity of the Supercritical Carbon Dioxide Extract of <i>Papaya Freeze-Dried Leaf Juice</i> . <i>Processes</i> , 2020 , 8, 610	2.9	3

11	Interaction of Opioids with TLR4-Mechanisms and Ramifications. <i>Cancers</i> , 2021 , 13,	6.6	3
10	Morphine Binds Creatine Kinase B and Inhibits Its Activity. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 464	6.1	3
9	The Role of Perioperative Pharmacological Adjuncts in Cancer Outcomes: Beta-Adrenergic Receptor Antagonists, NSAIDs and Anti-fibrinolytics. <i>Current Anesthesiology Reports</i> , 2015 , 5, 291-304	1	2
8	Morphine and Metastasis: From Bench to Bedside 2013 , 1-13		2
7	High intraluminal pressure promotes vascular inflammation via caveolin-1. <i>Scientific Reports</i> , 2021 , 11, 5894	4.9	2
6	Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response. <i>ELife</i> , 2021 , 10,	8.9	2
5	Could Opioids Affect Cancer Recurrence or Metastases? Current Experimental and Translational Evidence 2013 , 79-94		1
4	New Insights on Tramadol and Immunomodulation. <i>Current Oncology Reports</i> , 2021 , 23, 123	6.3	1
3	Opioid Receptor-Mediated and Non-Opioid Receptor-Mediated Roles of Opioids in Tumour Growth and Metastasis.. <i>Frontiers in Oncology</i> , 2021 , 11, 792290	5.3	1
2	Caveola-forming proteins and prostate cancer. <i>Cancer and Metastasis Reviews</i> , 2020 , 39, 415-433	9.6	0
1	Cooperative Effects of Zinc / Selenium and Thiols in the Protection Against UV-Induced Genomic DNA Damage 2002 , 77-82		