Catherine Paul

List of Publications by Year
in descending order

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51 papers	2,892 citations	279798 23 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	3624 citing authors

#	Article	IF	Citations
1	Regulation of Hsp27 Oligomerization, Chaperone Function, and Protective Activity against Oxidative Stress/Tumor Necrosis Factor Î± by Phosphorylation. Journal of Biological Chemistry, 1999, 274, 18947-18956.	3.4	661
2	Hsp27 as a Negative Regulator of Cytochrome c Release. Molecular and Cellular Biology, 2002, 22, 816-834.	2.3	403
3	Mammalian Small Stress Proteins Protect against Oxidative Stress through Their Ability to Increase Glucose-6-phosphate Dehydrogenase Activity and by Maintaining Optimal Cellular Detoxifying Machinery. Experimental Cell Research, 1999, 247, 61-78.	2.6	270
4	PD-1/PD-L1 pathway: an adaptive immune resistance mechanism to immunogenic chemotherapy in colorectal cancer. OncoImmunology, 2018, 7, e1433981.	4.6	167
5	Hsp27 protects mitochondria of thermotolerant cells against apoptotic stimuli. Cell Stress and Chaperones, 2001, 6, 49.	2.9	151
6	Differential regulation of HSP27 oligomerization in tumor cells grown in vitro and in vivo. Oncogene, 2000, 19, 4855-4863.	5.9	135
7	Cytotoxic effects induced by oxidative stress in cultured mammalian cells and protection provided by Hsp27 expression. Methods, 2005, 35, 126-138.	3.8	105
8	S-Nitrosylation of the Death Receptor Fas Promotes Fas Ligandâ€“Mediated Apoptosis in Cancer Cells. Gastroenterology, 2011, 140, 2009-2018.e4.	1.3	83
9	Dynamic processes that reflect anti-apoptotic strategies set up by HspB1 (Hsp27). Experimental Cell Research, 2010, 316, 1535-1552.	2.6	80
10	Effect of Plasma Phospholipid Transfer Protein Deficiency on Lethal Endotoxemia in Mice. Journal of Biological Chemistry, 2008, 283, 18702-18710.	3.4	58
11	Small Stress Proteins: Novel Negative Modulators of Apoptosis Induced Independently of Reactive Oxygen Species. Progress in Molecular and Subcellular Biology, 2002, 28, 185-204.	1.6	58
12	Precision medicine in breast cancer: reality or utopia?. Journal of Translational Medicine, 2017, 15, 139.	4.4	56
13	Heat shock protein-27 protects human bronchial epithelial cells against oxidative stressâ€“mediated apoptosis: possible implication in asthma. Cell Stress and Chaperones, 2002, 7, 269.	2.9	53
14	A Promising Family of Fluorescent Water-Soluble aza-BODIPY Dyes for in Vivo Molecular Imaging. Bioconjugate Chemistry, 2019, 30, 1061-1066.	3.6	49
15	Fine-tuning nucleophosmin in macrophage differentiation and activation. Blood, 2011, 118, 4694-4704.	1.4	39
16	Anticancer Agents: Does a Phosphonium Behave Like a Gold(I) Phosphine Complex? Let a â€œSmartâ€•Probe Answer!. Journal of Medicinal Chemistry, 2015, 58, 4521-4528.	6.4	39
17	Phase I study of OM-174, a lipid A analogue, with assessment of immunological response, in patients with refractory solid tumors. BMC Cancer, 2013, 13, 172.	2.6	38
18	Tumor-derived granzyme B-expressing neutrophils acquire antitumor potential after lipid A treatment. Oncotarget, 2018, 9, 28364-28378.	1.8	33

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19	Small Stress Proteins: Modulation of Intracellular Redox State and Protection Against Oxidative Stress. Progress in Molecular and Subcellular Biology, 2002, 28, 171-184.	1.6	33
20	Towards the elaboration of new gold-based optical theranostics. Dalton Transactions, 2015, 44, 4874-4883.	3.3	32
21	Gold(<scp>i</scp>)â€“BODIPYâ€“imidazole bimetallic complexes as new potential anti-inflammatory and anticancer trackable agents. Dalton Transactions, 2017, 46, 8051-8056.	3.3	32
22	Nitric oxide-induced resistance or sensitization to death in tumor cells. Nitric Oxide - Biology and Chemistry, 2008, 19, 158-163.	2.7	31
23	Gold(I)â€“Coumarinâ€“Caffeineâ€Based Complexes as New Potential Antiâ€Inflammatory and Anticancer Trackable Agents. ChemMedChem, 2018, 13, 2408-2414.	3.2	24
24	TLR4/IFNÎ³ pathways induce tumor regression via NOS II-dependent NO and ROS production in murine breast cancer models. OncoImmunology, 2016, 5, e1123369.	4.6	23
25	Polysaccharide Chain Length of Lipopolysaccharides From Salmonella Minnesota Is a Determinant of Aggregate Stability, Plasma Residence Time and Proinflammatory Propensity in vivo. Frontiers in Microbiology, 2019, 10, 1774.	3.5	20
26	Goldâ€“phosphineâ€“porphyrin as potential metal-based theranostics. Journal of Biological Inorganic Chemistry, 2015, 20, 143-154.	2.6	18
27	Coumarinâ€Phosphineâ€Based Smart Probes for Tracking Biologically Relevant Metal Complexes: From Theoretical to Biological Investigations. European Journal of Inorganic Chemistry, 2016, 2016, 545-553.	2.0	18
28	Impact of Lipid Metabolism on Antitumor Immune Response. Cancers, 2022, 14, 1850.	3.7	18
29	Senescence of tumor cells induced by oxaliplatin increases the efficiency of a lipid A immunotherapy via the recruitment of neutrophils. Oncotarget, 2014, 5, 11442-11451.	1.8	16
30	Clinical significance of T-bet, GATA-3, and Bcl-6 transcription factor expression in bladder carcinoma. Journal of Translational Medicine, 2016, 14, 144.	4.4	14
31	Design of a multifunctionalizable BODIPY platform for the facile elaboration of a large series of gold(i)-based optical theranostics. Dalton Transactions, 2018, 47, 11203-11218.	3.3	14
32	Senescence and Cancer: Role of Nitric Oxide (NO) in SASP. Cancers, 2020, 12, 1145.	3.7	14
33	Identification and relative quantification of adenosine to inosine editing in serotonin 2c receptor mRNA by CE. Electrophoresis, 2007, 28, 2843-2852.	2.4	13
34	Innate immune response triggered by triacyl lipid A is dependent on phospholipid transfer protein (PLTP) gene expression. FASEB Journal, 2010, 24, 3544-3554.	0.5	12
35	Development of an Easily Bioconjugatable Water-Soluble Single-Photon Emission-Computed Tomography/Optical Imaging Bimodal Imaging Probe Based on the aza-BODIPY Fluorophore. Journal of Medicinal Chemistry, 2021, 64, 11063-11073.	6.4	12
36	H89 enhances the sensitivity of cancer cells to glyceryl trinitrate through a purinergic receptor-dependent pathway. Oncotarget, 2015, 6, 6877-6886.	1.8	12

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37	Protein kinase inhibitor-based cancer therapies: Considering the potential of nitric oxide (NO) to improve cancer treatment. Biochemical Pharmacology, 2020, 176, 113855.	4.4	11
38	Near-infrared emitting fluorescent homobimetallic gold(I) complexes displaying promising inÂvitro and inÂvivo therapeutic properties. European Journal of Medicinal Chemistry, 2021, 220, 113483.	5.5	11
39	Lipid A-Induced Responses In Vivo. Advances in Experimental Medicine and Biology, 2009, 667, 69-80.	1.6	11
40	Highly antiproliferative neutral Ru(<scp>ii</scp>)-arene phosphine complexes. New Journal of Chemistry, 2018, 42, 8105-8112.	2.8	8
41	Rapid Synthesis and Antiproliferative Properties of Polyazamacrocycleâ€Based Biâ€•and Tetraâ€Gold(I) Phosphine Dithiocarbamate Complexes. ChemBioChem, 2019, 20, 2255-2261.	2.6	7
42	Exploration of Fas S-Nitrosylation by the Biotin Switch Assay. Methods in Molecular Biology, 2017, 1557, 199-206.	0.9	3
43	Conception and Evaluation of Fluorescent Phosphineâ€Gold Complexes: From Synthesis to inâ€…vivo Investigations. ChemMedChem, 2022, , .	3.2	3
44	Nitric Oxide and Platinum-Derivative-Based Regimens for Cancer Treatment: From Preclinical Studies to Clinical Trials. , 2017, , 91-103.		2
45	Protein Kinase Inhibitor-Mediated Immunoprophylactic and Immunotherapeutic Control of Colon Cancer. Frontiers in Immunology, 2022, 13, 875764.	4.8	2
46	Small Hsps as regulators of apoptosis. Biology of the Cell, 1999, 91, 545-545.	2.0	0
47	Analysis of the anti-apoptotic effect of the human protein chaperone HSP27. Biology of the Cell, 1999, 91, 560-560.	2.0	0
48	Nitric Oxide Is a Promising Enhancer for Cancer Therapy. , 2010, , 253-263.		0
49	S-Nitrosylation in Cancer Cells: To Prevent or to Cause?. , 2015, , 97-109.		0
50	FRI-335-Lect2, a new hepatokine regulating cholesterol metabolism in liver during non-alcoholic fatty liver disease. Journal of Hepatology, 2019, 70, e543.	3.7	0
51	Toll-like Receptor 2 and 4 in Cancer Immunotherapy: Is Nitric Oxide a Mediator?. Forum on Immunopathological Diseases and Therapeutics, 2010, 1, 307-315.	0.1	0