

Erik R Nelson

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

4,311
citations

136740

32
h-index

110170

64
g-index

73
all docs

73
docs citations

73
times ranked

6656
citing authors

#	ARTICLE	IF	CITATIONS
1	Our evolving understanding of how 27-hydroxycholesterol influences cancer. <i>Biochemical Pharmacology</i> , 2022, 196, 114621.	2.0	21
2	Dextran-Mimetic Quantum Dots for Multimodal Macrophage Imaging <i>In Vivo</i> , <i>Ex Vivo</i> , and <i>In Situ</i> . <i>ACS Nano</i> , 2022, 16, 1999-2012.	7.3	17
3	The Liver X Receptor Is Selectively Modulated to Differentially Alter Female Mammary Metastasis-associated Myeloid Cells. <i>Endocrinology</i> , 2022, 163, .	1.4	5
4	Labeling of a Mutant Estrogen Receptor with an Affimer in a Breast Cancer Cell Line. <i>Biophysical Journal</i> , 2022, , .	0.2	1
5	ZMYND8 is a master regulator of 27-hydroxycholesterol that promotes tumorigenicity of breast cancer stem cells. <i>Science Advances</i> , 2022, 8, .	4.7	8
6	Nanocarriers targeting adipose macrophages increase glucocorticoid anti-inflammatory potency to ameliorate metabolic dysfunction. <i>Biomaterials Science</i> , 2021, 9, 506-518.	2.6	12
7	3D microscopy and deep learning reveal the heterogeneity of crown-like structure microenvironments in intact adipose tissue. <i>Science Advances</i> , 2021, 7, .	4.7	31
8	Liver x receptor alpha drives chemoresistance in response to side-chain hydroxycholesterols in triple negative breast cancer. <i>Oncogene</i> , 2021, 40, 2872-2883.	2.6	23
9	The Cholesterol Metabolite 27HC Increases Secretion of Extracellular Vesicles Which Promote Breast Cancer Progression. <i>Endocrinology</i> , 2021, 162, .	1.4	17
10	Extracellular Vesicles – the next frontier in endocrinology. <i>Endocrinology</i> , 2021, 162, .	1.4	14
11	A small-molecule activator of the unfolded protein response eradicates human breast tumors in mice. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	20
12	TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. <i>Endocrinology</i> , 2021, 162, .	1.4	7
13	Acute exposure to physiological doses of triiodothyronine does not induce gonadal caspase 3 activity in goldfish <i>in vitro</i> . <i>General and Comparative Endocrinology</i> , 2020, 289, 113382.	0.8	3
14	27-Hydroxycholesterol acts on myeloid immune cells to induce T cell dysfunction, promoting breast cancer progression. <i>Cancer Letters</i> , 2020, 493, 266-283.	3.2	51
15	Myocardial infarction accelerates breast cancer via innate immune reprogramming. <i>Nature Medicine</i> , 2020, 26, 1452-1458.	15.2	138
16	Suppression of breast cancer metastasis and extension of survival by a new antiestrogen in a preclinical model driven by mutant estrogen receptors. <i>Breast Cancer Research and Treatment</i> , 2020, 181, 297-307.	1.1	8
17	Oxysterols and nuclear receptors. <i>Molecular and Cellular Endocrinology</i> , 2019, 484, 42-51.	1.6	55
18	CaMKK2 in myeloid cells is a key regulator of the immune-suppressive microenvironment in breast cancer. <i>Nature Communications</i> , 2019, 10, 2450.	5.8	72

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19	Small Heterodimer Partner Regulates Dichotomous T Cell Expansion by Macrophages. <i>Endocrinology</i> , 2019, 160, 1573-1589.	1.4	8
20	Nuclear receptors, cholesterol homeostasis and the immune system. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 191, 105364.	1.2	23
21	Estrogen-independent Myc overexpression confers endocrine therapy resistance on breast cancer cells expressing ER \pm Y537S and ER \pm D538G mutations. <i>Cancer Letters</i> , 2019, 442, 373-382.	3.2	29
22	Host CYP27A1 expression is essential for ovarian cancer progression. <i>Endocrine-Related Cancer</i> , 2019, 26, 659-675.	1.6	30
23	The significance of cholesterol and its metabolite, 27-hydroxycholesterol in breast cancer. <i>Molecular and Cellular Endocrinology</i> , 2018, 466, 73-80.	1.6	63
24	Porous Silicon: Vertical Integration of Cell \pm Laden Hydrogels with Bioinspired Photonic Crystal Membranes (<i>Adv. Mater. Interfaces</i> 23/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870115.	1.9	0
25	Vertical Integration of Cell \pm Laden Hydrogels with Bioinspired Photonic Crystal Membranes. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801233.	1.9	2
26	Targeting multidrug-resistant ovarian cancer through estrogen receptor \pm dependent ATP depletion caused by hyperactivation of the unfolded protein response. <i>Oncotarget</i> , 2018, 9, 14741-14753.	0.8	22
27	CYP27A1 Loss Dysregulates Cholesterol Homeostasis in Prostate Cancer. <i>Cancer Research</i> , 2017, 77, 1662-1673.	0.4	83
28	The cholesterol metabolite 27 hydroxycholesterol facilitates breast cancer metastasis through its actions on immune cells. <i>Nature Communications</i> , 2017, 8, 864.	5.8	261
29	27-Hydroxycholesterol, an endogenous selective estrogen receptor modulator. <i>Maturitas</i> , 2017, 104, 29-35.	1.0	44
30	A Protocol for the Comprehensive Flow Cytometric Analysis of Immune Cells in Normal and Inflamed Murine Non-Lymphoid Tissues. <i>PLoS ONE</i> , 2016, 11, e0150606.	1.1	299
31	The Contribution of Cholesterol and Its Metabolites to the Pathophysiology of Breast Cancer. <i>Hormones and Cancer</i> , 2016, 7, 219-228.	4.9	42
32	Thyroid hormone regulates vitellogenin by inducing estrogen receptor alpha in the goldfish liver. <i>Molecular and Cellular Endocrinology</i> , 2016, 436, 259-267.	1.6	31
33	Efficient Targeting of Adipose Tissue Macrophages in Obesity with Polysaccharide Nanocarriers. <i>ACS Nano</i> , 2016, 10, 6952-6962.	7.3	82
34	Detection of Endogenous Selective Estrogen Receptor Modulators such as 27-Hydroxycholesterol. <i>Methods in Molecular Biology</i> , 2016, 1366, 431-443.	0.4	1
35	Chemotherapy enriches for an invasive triple-negative breast tumor cell subpopulation expressing a precursor form of N-cadherin on the cell surface. <i>Oncotarget</i> , 2016, 7, 84030-84042.	0.8	17
36	Effect of aerobic training on the host systemic milieu in patients with solid tumours: an exploratory correlative study. <i>British Journal of Cancer</i> , 2015, 112, 825-831.	2.9	28

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37	Evaluation of the pharmacological activities of RAD1901, a selective estrogen receptor degrader. <i>Endocrine-Related Cancer</i> , 2015, 22, 713-724.	1.6	81
38	The estrogen receptor as a mediator of the pathological actions of cholesterol in breast cancer. <i>Climacteric</i> , 2014, 17, 60-65.	1.1	27
39	Obesity, Cholesterol Metabolism, and Breast Cancer Pathogenesis. <i>Cancer Research</i> , 2014, 74, 4976-4982.	0.4	86
40	Cholesterol and breast cancer pathophysiology. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 649-655.	3.1	141
41	From empirical to mechanism-based discovery of clinically useful Selective Estrogen Receptor Modulators (SERMs). <i>Steroids</i> , 2014, 90, 30-38.	0.8	41
42	Copper Signaling Axis as a Target for Prostate Cancer Therapeutics. <i>Cancer Research</i> , 2014, 74, 5819-5831.	0.4	143
43	Delineation of a FOXA1/ER β /AGR2 Regulatory Loop That Is Dysregulated in Endocrine Therapy-Resistant Breast Cancer. <i>Molecular Cancer Research</i> , 2014, 12, 1829-1839.	1.5	35
44	Abstract 3311: The cholesterol/ 27-hydroxycholesterol axis is a novel therapeutic target in castrate resistant prostate cancer. , 2014, , .		1
45	Regulation of Bone Cell Function by Estrogens. , 2013, , 329-344.		0
46	27-Hydroxycholesterol Links Hypercholesterolemia and Breast Cancer Pathophysiology. <i>Science</i> , 2013, 342, 1094-1098.	6.0	635
47	The molecular mechanisms underlying the pharmacological actions of estrogens, SERMs and oxysterols: Implications for the treatment and prevention of osteoporosis. <i>Bone</i> , 2013, 53, 42-50.	1.4	96
48	Estrogen receptor function and regulation in fish and other vertebrates. <i>General and Comparative Endocrinology</i> , 2013, 192, 15-24.	0.8	156
49	Bazedoxifene Exhibits Antiestrogenic Activity in Animal Models of Tamoxifen-Resistant Breast Cancer: Implications for Treatment of Advanced Disease. <i>Clinical Cancer Research</i> , 2013, 19, 2420-2431.	3.2	127
50	Abstract 1376: Exercise alters breast cancer phenotype through distinct reductions in host-derived proinflammatory growth factor ligands.. , 2013, , .		0
51	Exercise modulation of the host-tumor interaction in an orthotopic model of murine prostate cancer. <i>Journal of Applied Physiology</i> , 2012, 113, 263-272.	1.2	98
52	The cytoskeletal regulatory scaffold protein GIT2 modulates mesenchymal stem cell differentiation and osteoblastogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 407-412.	1.0	19
53	New insights into thyroid hormone function and modulation of reproduction in goldfish. <i>General and Comparative Endocrinology</i> , 2012, 175, 19-26.	0.8	76
54	The Oxysterol, 27-Hydroxycholesterol, Links Cholesterol Metabolism to Bone Homeostasis Through Its Actions on the Estrogen and Liver X Receptors. <i>Endocrinology</i> , 2011, 152, 4691-4705.	1.4	92

