Erik R Nelson

List of Publications by Year
in descending order

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71	4,311	136740	110170
papers	citations	32 h-index	64 g-index

73	73	73	6656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	27-Hydroxycholesterol Links Hypercholesterolemia and Breast Cancer Pathophysiology. Science, 2013, 342, 1094-1098.	6.0	635
2	A Protocol for the Comprehensive Flow Cytometric Analysis of Immune Cells in Normal and Inflamed Murine Non-Lymphoid Tissues. PLoS ONE, 2016, 11, e0150606.	1.1	299
3	The cholesterol metabolite 27 hydroxycholesterol facilitates breast cancer metastasis through its actions on immune cells. Nature Communications, 2017, 8, 864.	5.8	261
4	Estrogen-related receptor-Î± is a metabolic regulator of effector T-cell activation and differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18348-18353.	3.3	200
5	Estrogen receptor function and regulation in fish and other vertebrates. General and Comparative Endocrinology, 2013, 192, 15-24.	0.8	156
6	Copper Signaling Axis as a Target for Prostate Cancer Therapeutics. Cancer Research, 2014, 74, 5819-5831.	0.4	143
7	Cholesterol and breast cancer pathophysiology. Trends in Endocrinology and Metabolism, 2014, 25, 649-655.	3.1	141
8	Myocardial infarction accelerates breast cancer via innate immune reprogramming. Nature Medicine, 2020, 26, 1452-1458.	15.2	138
9	Bazedoxifene Exhibits Antiestrogenic Activity in Animal Models of Tamoxifen-Resistant Breast Cancer: Implications for Treatment of Advanced Disease. Clinical Cancer Research, 2013, 19, 2420-2431.	3.2	127
10	Functional Significance of Nuclear Estrogen Receptor Subtypes in the Liver of Goldfish. Endocrinology, 2010, 151, 1668-1676.	1.4	114
11	Exercise modulation of the host-tumor interaction in an orthotopic model of murine prostate cancer. Journal of Applied Physiology, 2012, 113, 263-272.	1.2	98
12	The Endogenous Selective Estrogen Receptor Modulator 27-Hydroxycholesterol Is a Negative Regulator of Bone Homeostasis. Endocrinology, 2010, 151, 3675-3685.	1.4	96
13	The molecular mechanisms underlying the pharmacological actions of estrogens, SERMs and oxysterols: Implications for the treatment and prevention of osteoporosis. Bone, 2013, 53, 42-50.	1.4	96
14	The Oxysterol, 27-Hydroxycholesterol, Links Cholesterol Metabolism to Bone Homeostasis Through Its Actions on the Estrogen and Liver X Receptors. Endocrinology, 2011, 152, 4691-4705.	1.4	92
15	Obesity, Cholesterol Metabolism, and Breast Cancer Pathogenesis. Cancer Research, 2014, 74, 4976-4982.	0.4	86
16	CYP27A1 Loss Dysregulates Cholesterol Homeostasis in Prostate Cancer. Cancer Research, 2017, 77, 1662-1673.	0.4	83
17	Efficient Targeting of Adipose Tissue Macrophages in Obesity with Polysaccharide Nanocarriers. ACS Nano, 2016, 10, 6952-6962.	7.3	82
18	Evaluation of the pharmacological activities of RAD1901, a selective estrogen receptor degrader. Endocrine-Related Cancer, 2015, 22, 713-724.	1.6	81

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19	New insights into thyroid hormone function and modulation of reproduction in goldfish. General and Comparative Endocrinology, 2012, 175, 19-26.	0.8	76
20	CaMKK2 in myeloid cells is a key regulator of the immune-suppressive microenvironment in breast cancer. Nature Communications, 2019, 10, 2450.	5.8	72
21	Thyroid receptor subtypes: Structure and function in fish. General and Comparative Endocrinology, 2009, 161, 90-96.	0.8	71
22	The significance of cholesterol and its metabolite, 27-hydroxycholesterol in breast cancer. Molecular and Cellular Endocrinology, 2018, 466, 73-80.	1.6	63
23	Homologous regulation of estrogen receptor subtypes in goldfish (Carassius auratus). Molecular Reproduction and Development, 2007, 74, 1105-1112.	1.0	55
24	Oxysterols and nuclear receptors. Molecular and Cellular Endocrinology, 2019, 484, 42-51.	1.6	55
25	Molecular characterization and sex-related seasonal expression of thyroid receptor subtypes in goldfish. Molecular and Cellular Endocrinology, 2006, 253, 83-95.	1.6	53
26	27-Hydroxycholesterol acts on myeloid immune cells to induce T cell dysfunction, promoting breast cancer progression. Cancer Letters, 2020, 493, 266-283.	3.2	51
27	Thyroid hormone and reproduction: Regulation of estrogen receptors in goldfish gonads. Molecular Reproduction and Development, 2010, 77, 784-794.	1.0	50
28	Regulation of Aryl Hydrocarbon Receptor Function by Selective Estrogen Receptor Modulators. Molecular Endocrinology, 2010, 24, 33-46.	3.7	50
29	Cadmium affects the expression of metallothionein (MT) and glutathione peroxidase (GPX) mRNA in goldfish, Carassius auratus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 145, 595-600.	1.3	46
30	27-Hydroxycholesterol, an endogenous selective estrogen receptor modulator. Maturitas, 2017, 104, 29-35.	1.0	44
31	The Contribution of Cholesterol and Its Metabolites to the Pathophysiology of Breast Cancer. Hormones and Cancer, 2016, 7, 219-228.	4.9	42
32	From empirical to mechanism-based discovery of clinically useful Selective Estrogen Receptor Modulators (SERMs). Steroids, 2014, 90, 30-38.	0.8	41
33	Delineation of a FOXA1/ERÎ±/AGR2 Regulatory Loop That Is Dysregulated in Endocrine Therapyâ€“Resistant Breast Cancer. Molecular Cancer Research, 2014, 12, 1829-1839.	1.5	35
34	Basinâ€wide impacts of compounds with estrogenâ€like activity on longnose dace (<i>Rhinichthys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2008, 27, 2042-2052.	2.2	31
35	Thyroid hormone regulates vitellogenin by inducing estrogen receptor alpha in the goldfish liver. Molecular and Cellular Endocrinology, 2016, 436, 259-267.	1.6	31
36	3D microscopy and deep learning reveal the heterogeneity of crown-like structure microenvironments in intact adipose tissue. Science Advances, 2021, 7, .	4.7	31

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37	Host CYP27A1 expression is essential for ovarian cancer progression. Endocrine-Related Cancer, 2019, 26, 659-675.	1.6	30
38	Estrogen-independent Myc overexpression confers endocrine therapy resistance on breast cancer cells expressing ERÎ±Y537S and ERÎ±D538G mutations. Cancer Letters, 2019, 442, 373-382.	3.2	29
39	Molecular characterization and expression of three GnRH forms mRNA during gonad sex-change process, and effect of GnRHa on GTH subunits mRNA in the protandrous black porgy (Acanthopagrus) Tj ETQq1 1 0.784314 rgBT /Ov	0.8	28
40	Effect of aerobic training on the host systemic milieu in patients with solid tumours: an exploratory correlative study. British Journal of Cancer, 2015, 112, 825-831.	2.9	28
41	The estrogen receptor as a mediator of the pathological actions of cholesterol in breast cancer. Climacteric, 2014, 17, 60-65.	1.1	27
42	Nuclear receptors, cholesterol homeostasis and the immune system. Journal of Steroid Biochemistry and Molecular Biology, 2019, 191, 105364.	1.2	23
43	Liver x receptor alpha drives chemoresistance in response to side-chain hydroxycholesterols in triple negative breast cancer. Oncogene, 2021, 40, 2872-2883.	2.6	23
44	Functional Significance of a Truncated Thyroid Receptor Subtype Lacking a Hormone-Binding Domain in Goldfish. Endocrinology, 2008, 149, 4702-4709.	1.4	22
45	Auto-regulation of thyroid hormone receptors in the goldfish ovary and testis. General and Comparative Endocrinology, 2011, 172, 50-55.	0.8	22
46	Targeting multidrug-resistant ovarian cancer through estrogen receptor Î± dependent ATP depletion caused by hyperactivation of the unfolded protein response. Oncotarget, 2018, 9, 14741-14753.	0.8	22
47	Our evolving understanding of how 27-hydroxycholesterol influences cancer. Biochemical Pharmacology, 2022, 196, 114621.	2.0	21
48	A small-molecule activator of the unfolded protein response eradicates human breast tumors in mice. Science Translational Medicine, 2021, 13, .	5.8	20
49	Seasonal regulation of vitellogenin by growth hormone in the goldfish liver. General and Comparative Endocrinology, 2009, 161, 79-82.	0.8	19
50	The cytoskeletal regulatory scaffold protein GIT2 modulates mesenchymal stem cell differentiation and osteoblastogenesis. Biochemical and Biophysical Research Communications, 2012, 425, 407-412.	1.0	19
51	The Cholesterol Metabolite 27HC Increases Secretion of Extracellular Vesicles Which Promote Breast Cancer Progression. Endocrinology, 2021, 162, .	1.4	17
52	Chemotherapy enriches for an invasive triple-negative breast tumor cell subpopulation expressing a precursor form of N-cadherin on the cell surface. Oncotarget, 2016, 7, 84030-84042.	0.8	17
53	Dextran-Mimetic Quantum Dots for Multimodal Macrophage Imaging In Vivo, Ex Vivo, and In Situ. ACS Nano, 2022, 16, 1999-2012.	7.3	17
54	Characterization of estrogen receptor Î²2 and expression of the estrogen receptor subtypes Î±, Î²1, and Î²2 in the protandrous black porgy (Acanthopagrus schlegeli) during the sex change process. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 150, 284-291.	0.7	15

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55	Gender-related expression of TRÎ± and TRÎ² in the protandrous black porgy, Acanthopagrus schlegeli, during sex change processes. General and Comparative Endocrinology, 2010, 165, 11-18.	0.8	15
56	Extracellular Vesicles â€“ the next frontier in endocrinology. Endocrinology, 2021, 162, .	1.4	14
57	Nanocarriers targeting adipose macrophages increase glucocorticoid anti-inflammatory potency to ameliorate metabolic dysfunction. Biomaterials Science, 2021, 9, 506-518.	2.6	12
58	Small Heterodimer Partner Regulates Dichotomous T Cell Expansion by Macrophages. Endocrinology, 2019, 160, 1573-1589.	1.4	8
59	Suppression of breast cancer metastasis and extension of survival by a new antiestrogen in a preclinical model driven by mutant estrogen receptors. Breast Cancer Research and Treatment, 2020, 181, 297-307.	1.1	8
60	ZMYND8 is a master regulator of 27-hydroxycholesterol that promotes tumorigenicity of breast cancer stem cells. Science Advances, 2022, 8, .	4.7	8
61	TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. Endocrinology, 2021, 162, .	1.4	7
62	The Liver X Receptor Is Selectively Modulated to Differentially Alter Female Mammary Metastasis-associated Myeloid Cells. Endocrinology, 2022, 163, .	1.4	5
63	Acute exposure to physiological doses of triiodothyronine does not induce gonadal caspase 3 activity in goldfish in vitro. General and Comparative Endocrinology, 2020, 289, 113382.	0.8	3
64	Vertical Integration of Cellâ€Laden Hydrogels with Bioinspired Photonic Crystal Membranes. Advanced Materials Interfaces, 2018, 5, 1801233.	1.9	2
65	Detection of Endogenous Selective Estrogen Receptor Modulators such as 27-Hydroxycholesterol. Methods in Molecular Biology, 2016, 1366, 431-443.	0.4	1
66	Abstract 3311: The cholesterol/ 27-hydroxycholesterol axis is a novel therapeutic target in castrate resistant prostate cancer. , 2014, , .		1
67	Labeling of a Mutant Estrogen Receptor with an Affimer in a Breast Cancer Cell Line. Biophysical Journal, 2022, , .	0.2	1
68	The Endogenous Selective Estrogen Receptor Modulator 27-Hydroxycholesterol Is a Negative Regulator of Bone Homeostasis. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3559-3559.	1.8	0
69	Regulation of Bone Cell Function by Estrogens. , 2013, , 329-344.		0
70	Porous Silicon: Vertical Integration of Cellâ€Laden Hydrogels with Bioinspired Photonic Crystal Membranes (Adv. Mater. Interfaces 23/2018). Advanced Materials Interfaces, 2018, 5, 1870115.	1.9	0
71	Abstract 1376: Exercise alters breast cancer phenotype through distinct reductions in host-derived proinflammatory growth factor ligands.. , 2013, , .		0