Erik R Nelson

List of Publications by Year in descending order

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Version: 2024-02-01

71 papers 4,311 citations

32 h-index 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. Biochemical Pharmacology, 2022, 196, 114621.	2.0	21
2	Dextran-Mimetic Quantum Dots for Multimodal Macrophage Imaging <i>In Vivo, Ex Vivo</i> , and <i>In Situ</i> . ACS Nano, 2022, 16, 1999-2012.	7.3	17
3	The Liver X Receptor Is Selectively Modulated to Differentially Alter Female Mammary Metastasis-associated Myeloid Cells. Endocrinology, 2022, 163, .	1.4	5
4	Labeling of a Mutant Estrogen Receptor with an Affimer in a Breast Cancer Cell Line. Biophysical Journal, 2022, , .	0.2	1
5	ZMYND8 is a master regulator of 27-hydroxycholesterol that promotes tumorigenicity of breast cancer stem cells. Science Advances, 2022, 8, .	4.7	8
6	Nanocarriers targeting adipose macrophages increase glucocorticoid anti-inflammatory potency to ameliorate metabolic dysfunction. Biomaterials Science, 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. Science Advances, 2021, 7, .	4.7	31
8	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
9	The Cholesterol Metabolite 27HC Increases Secretion of Extracellular Vesicles Which Promote Breast Cancer Progression. Endocrinology, 2021, 162, .	1.4	17
10	Extracellular Vesicles – the next frontier in endocrinology. Endocrinology, 2021, 162, .	1.4	14
11	A small-molecule activator of the unfolded protein response eradicates human breast tumors in mice. Science Translational Medicine, $2021,13,.$	5.8	20
11		5.8 1.4	7
	Science Translational Medicine, 2021, 13, . TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. Endocrinology, 2021,		
12	Science Translational Medicine, 2021, 13, . TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. Endocrinology, 2021, 162, . Acute exposure to physiological doses of triiodothyronine does not induce gonadal caspase 3 activity	1.4	7
12	TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. Endocrinology, 2021, 162, . 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. 27-Hydroxycholesterol acts on myeloid immune cells to induce T cell dysfunction, promoting breast	0.8	7
12 13 14	TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. Endocrinology, 2021, 162, . 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. 27-Hydroxycholesterol acts on myeloid immune cells to induce T cell dysfunction, promoting breast cancer progression. Cancer Letters, 2020, 493, 266-283. Myocardial infarction accelerates breast cancer via innate immune reprogramming. Nature Medicine,	1.4 0.8 3.2	7 3 51
12 13 14	TLX, an Orphan Nuclear Receptor With Emerging Roles in Physiology and Disease. Endocrinology, 2021, 162,. 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. 27-Hydroxycholesterol acts on myeloid immune cells to induce T cell dysfunction, promoting breast cancer progression. Cancer Letters, 2020, 493, 266-283. Myocardial infarction accelerates breast cancer via innate immune reprogramming. Nature Medicine, 2020, 26, 1452-1458. 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,	1.4 0.8 3.2	7 3 51 138

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19	Small Heterodimer Partner Regulates Dichotomous T Cell Expansion by Macrophages. Endocrinology, 2019, 160, 1573-1589.	1.4	8
20	Nuclear receptors, cholesterol homeostasis and the immune system. Journal of Steroid Biochemistry and Molecular Biology, 2019, 191, 105364.	1.2	23
21	Estrogen-independent Myc overexpression confers endocrine therapy resistance on breast cancer cells expressing ERαY537S and ERαD538G mutations. Cancer Letters, 2019, 442, 373-382.	3.2	29
22	Host CYP27A1 expression is essential for ovarian cancer progression. Endocrine-Related Cancer, 2019, 26, 659-675.	1.6	30
23	The significance of cholesterol and its metabolite, 27-hydroxycholesterol in breast cancer. Molecular and Cellular Endocrinology, 2018, 466, 73-80.	1.6	63
24	Porous Silicon: Vertical Integration of Cell‣aden Hydrogels with Bioinspired Photonic Crystal Membranes (Adv. Mater. Interfaces 23/2018). Advanced Materials Interfaces, 2018, 5, 1870115.	1.9	0
25	Vertical Integration of Cellâ€Laden Hydrogels with Bioinspired Photonic Crystal Membranes. Advanced Materials Interfaces, 2018, 5, 1801233.	1.9	2
26	Targeting multidrug-resistant ovarian cancer through estrogen receptor \hat{l}_{\pm} dependent ATP depletion caused by hyperactivation of the unfolded protein response. Oncotarget, 2018, 9, 14741-14753.	0.8	22
27	CYP27A1 Loss Dysregulates Cholesterol Homeostasis in Prostate Cancer. Cancer Research, 2017, 77, 1662-1673.	0.4	83
28	The cholesterol metabolite 27 hydroxycholesterol facilitates breast cancer metastasis through its actions on immune cells. Nature Communications, 2017, 8, 864.	5.8	261
29	27-Hydroxycholesterol, an endogenous selective estrogen receptor modulator. Maturitas, 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. PLoS ONE, 2016, 11, e0150606.	1.1	299
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	Thyroid hormone regulates vitellogenin by inducing estrogen receptor alpha in the goldfish liver. Molecular and Cellular Endocrinology, 2016, 436, 259-267.	1.6	31
33	Efficient Targeting of Adipose Tissue Macrophages in Obesity with Polysaccharide Nanocarriers. ACS Nano, 2016, 10, 6952-6962.	7.3	82
34	Detection of Endogenous Selective Estrogen Receptor Modulators such as 27-Hydroxycholesterol. Methods in Molecular Biology, 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. Oncotarget, 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. British Journal of Cancer, 2015, 112, 825-831.	2.9	28

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37	Evaluation of the pharmacological activities of RAD1901, a selective estrogen receptor degrader. Endocrine-Related Cancer, 2015, 22, 713-724.	1.6	81
38	The estrogen receptor as a mediator of the pathological actions of cholesterol in breast cancer. Climacteric, 2014, 17, 60-65.	1.1	27
39	Obesity, Cholesterol Metabolism, and Breast Cancer Pathogenesis. Cancer Research, 2014, 74, 4976-4982.	0.4	86
40	Cholesterol and breast cancer pathophysiology. Trends in Endocrinology and Metabolism, 2014, 25, 649-655.	3.1	141
41	From empirical to mechanism-based discovery of clinically useful Selective Estrogen Receptor Modulators (SERMs). Steroids, 2014, 90, 30-38.	0.8	41
42	Copper Signaling Axis as a Target for Prostate Cancer Therapeutics. Cancer Research, 2014, 74, 5819-5831.	0.4	143
43	Delineation of a FOXA1/ERα/AGR2 Regulatory Loop That Is Dysregulated in Endocrine Therapy–Resistant Breast Cancer. Molecular Cancer Research, 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. Science, 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. Bone, 2013, 53, 42-50.	1.4	96
48	Estrogen receptor function and regulation in fish and other vertebrates. General and Comparative Endocrinology, 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. Clinical Cancer Research, 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. Journal of Applied Physiology, 2012, 113, 263-272.	1.2	98
52	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
53	New insights into thyroid hormone function and modulation of reproduction in goldfish. General and Comparative Endocrinology, 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. Endocrinology, 2011, 152, 4691-4705.	1.4	92

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55	Auto-regulation of thyroid hormone receptors in the goldfish ovary and testis. General and Comparative Endocrinology, 2011, 172, 50-55.	0.8	22
56	Estrogen-related receptor- \hat{l}_{\pm} 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
57	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
58	Thyroid hormone and reproduction: Regulation of estrogen receptors in goldfish gonads. Molecular Reproduction and Development, 2010, 77, 784-794.	1.0	50
59	Gender-related expression of $TR\hat{l}\pm$ and $TR\hat{l}^2$ in the protandrous black porgy, Acanthopagrus schlegeli, during sex change processes. General and Comparative Endocrinology, 2010, 165, 11-18.	0.8	15
60	Functional Significance of Nuclear Estrogen Receptor Subtypes in the Liver of Goldfish. Endocrinology, 2010, 151, 1668-1676.	1.4	114
61	The Endogenous Selective Estrogen Receptor Modulator 27-Hydroxycholesterol Is a Negative Regulator of Bone Homeostasis. Endocrinology, 2010, 151, 3675-3685.	1.4	96
62	Regulation of Aryl Hydrocarbon Receptor Function by Selective Estrogen Receptor Modulators. Molecular Endocrinology, 2010, 24, 33-46.	3.7	50
63	Thyroid receptor subtypes: Structure and function in fish. General and Comparative Endocrinology, 2009, 161, 90-96.	0.8	71
64	Seasonal regulation of vitellogenin by growth hormone in the goldfish liver. General and Comparative Endocrinology, 2009, 161, 79-82.	0.8	19
65	Basinâ€wide impacts of compounds with estrogenâ€like activity on longnose dace (<i>Rhinichthys) Tj ETQq1 1 (2008, 27, 2042-2052.</i>	0.784314 2.2	rgBT /Overlo 31
66	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 ETQq0	O OorgeBT/	Ov es lock 10 ⁻
67	Characterization of estrogen receptor \hat{l}^22 and expression of the estrogen receptor subtypes \hat{l}_\pm , \hat{l}^21 , and \hat{l}^22 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
68	Functional Significance of a Truncated Thyroid Receptor Subtype Lacking a Hormone-Binding Domain in Goldfish. Endocrinology, 2008, 149, 4702-4709.	1.4	22
69	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
70	Homologous regulation of estrogen receptor subtypes in goldfish (Carassius auratus). Molecular Reproduction and Development, 2007, 74, 1105-1112.	1.0	55
71	Molecular characterization and sex-related seasonal expression of thyroid receptor subtypes in goldfish. Molecular and Cellular Endocrinology, 2006, 253, 83-95.	1.6	53