

# Laura A Solt

## List of Publications by Citations

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59  
papers

4,098  
citations

35  
h-index

64  
g-index

66  
ext. papers

4,844  
ext. citations

10.7  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
59	Regulation of circadian behaviour and metabolism by synthetic REV-ERB agonists. <i>Nature</i> , <b>2012</b> , 485, 62-8	50.4	493
58	Suppression of TH17 differentiation and autoimmunity by a synthetic ROR ligand. <i>Nature</i> , <b>2011</b> , 472, 491-4	50.4	384
57	Rev-erb- $\beta$ modulates skeletal muscle oxidative capacity by regulating mitochondrial biogenesis and autophagy. <i>Nature Medicine</i> , <b>2013</b> , 19, 1039-46	50.5	271
56	Hypomorphic nuclear factor-kappaB essential modulator mutation database and reconstitution system identifies phenotypic and immunologic diversity. <i>Journal of Allergy and Clinical Immunology</i> , <b>2008</b> , 122, 1169-1177.e16	11.5	200
55	The benzenesulfoamide T0901317 [N-(2,2,2-trifluoroethyl)-N-[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]-benzenesulfonamide] is a novel retinoic acid receptor-related orphan receptor-alpha/gamma inverse agonist. <i>Molecular Pharmacology</i> , <b>2010</b> , 77, 228-36	18.5	186
54	The I kappa B kinase complex: master regulator of NF-kappa B signaling. <i>Immunologic Research</i> , <b>2008</b> , 42, 3-18	4.3	164
53	Modulation of retinoic acid receptor-related orphan receptor alpha and gamma activity by 7-oxygenated sterol ligands. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 5013-25	5.4	159
52	Nuclear receptors and their selective pharmacologic modulators. <i>Pharmacological Reviews</i> , <b>2013</b> , 65, 710-78	22.5	156
51	Action of RORs and their ligands in (patho)physiology. <i>Trends in Endocrinology and Metabolism</i> , <b>2012</b> , 23, 619-27	8.8	139
50	The PP2A-associated protein alpha4 is an essential inhibitor of apoptosis. <i>Science</i> , <b>2004</b> , 306, 695-8	33.3	133
49	Broad Anti-tumor Activity of a Small Molecule that Selectively Targets the Warburg Effect and Lipogenesis. <i>Cancer Cell</i> , <b>2015</b> , 28, 42-56	24.3	116
48	Identification of SR2211: a potent synthetic ROR $\beta$ -selective modulator. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 672-7	4.9	107
47	Regulation of adipogenesis by natural and synthetic REV-ERB ligands. <i>Endocrinology</i> , <b>2010</b> , 151, 3015-25	4.8	105
46	The REV-ERBs and RORs: molecular links between circadian rhythms and lipid homeostasis. <i>Future Medicinal Chemistry</i> , <b>2011</b> , 3, 623-38	4.1	95
45	Identification of SR3335 (ML-176): a synthetic ROR $\beta$ -selective inverse agonist. <i>ACS Chemical Biology</i> , <b>2011</b> , 6, 218-22	4.9	90
44	Regulation of FGF21 expression and secretion by retinoic acid receptor-related orphan receptor alpha. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 15668-73	5.4	81
43	OMRT-14. Small molecule circadian clock compounds exhibit potential as a novel therapy paradigm for glioblastoma. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, ii9-ii9	0.9	78

42	A liver-selective LXR inverse agonist that suppresses hepatic steatosis. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 559-67	4.9	74
41	Pharmacological targeting of the mammalian clock regulates sleep architecture and emotional behaviour. <i>Nature Communications</i> , <b>2014</b> , 5, 5759	17.4	74
40	Interleukin-1-induced NF-kappaB activation is NEMO-dependent but does not require IKKbeta. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 8724-33	5.4	68
39	Identification of a selective ROR $\alpha$ ligand that suppresses T(H)17 cells and stimulates T regulatory cells. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 1515-9	4.9	61
38	Perfect timing: circadian rhythms, sleep, and immunity - an NIH workshop summary. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	61
37	ROR inverse agonist suppresses insulinitis and prevents hyperglycemia in a mouse model of type 1 diabetes. <i>Endocrinology</i> , <b>2015</b> , 156, 869-81	4.8	51
36	Regulation of p53 stability and apoptosis by a ROR agonist. <i>PLoS ONE</i> , <b>2012</b> , 7, e34921	3.7	51
35	Suppression of atherosclerosis by synthetic REV-ERB agonist. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 460, 566-71	3.4	50
34	Genetic dissection of the functions of the melanocortin-3 receptor, a seven-transmembrane G-protein-coupled receptor, suggests roles for central and peripheral receptors in energy homeostasis. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 40771-81	5.4	44
33	PGRMC2 is an intracellular haem chaperone critical for adipocyte function. <i>Nature</i> , <b>2019</b> , 576, 138-142	50.4	44
32	Circadian rhythm-dependent and circadian rhythm-independent impacts of the molecular clock on type 3 innate lymphoid cells. <i>Science Immunology</i> , <b>2019</b> , 4,	28	43
31	G protein-coupled receptor Ca <sup>2+</sup> -linked mitochondrial reactive oxygen species are essential for endothelial/leukocyte adherence. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 7582-93	4.8	41
30	Identification of a Binding Site for Unsaturated Fatty Acids in the Orphan Nuclear Receptor Nurr1. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1795-9	4.9	41
29	Ligand regulation of retinoic acid receptor-related orphan receptors: implications for development of novel therapeutics. <i>Current Opinion in Lipidology</i> , <b>2010</b> , 21, 204-11	4.4	40
28	Noncanonical NF- $\kappa$ B signaling is limited by classical NF- $\kappa$ B activity. <i>Science Signaling</i> , <b>2014</b> , 7, ra13	8.8	38
27	Nuclear receptor ROR $\alpha$ regulates pathologic retinal angiogenesis by modulating SOCS3-dependent inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 10401-6	11.5	37
26	REV-ERB $\alpha$ Regulates T17 Cell Development and Autoimmunity. <i>Cell Reports</i> , <b>2018</b> , 25, 3733-3749.e8	10.6	36
25	Splenic and peritoneal B-1 cells differ in terms of transcriptional and proliferative features that separate peritoneal B-1 from splenic B-2 cells. <i>Cellular Immunology</i> , <b>2001</b> , 213, 62-71	4.4	35

24	NEMO-binding domains of both IKK $\alpha$ and IKK $\beta$ regulate I $\kappa$ B kinase complex assembly and classical NF- $\kappa$ B activation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 27596-608	5.4	29
23	LXR-mediated inhibition of CD4 <sup>+</sup> T helper cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e46615	3.7	24
22	Development of novel NEMO-binding domain mimetics for inhibiting IKK/NF- $\kappa$ B activation. <i>PLoS Biology</i> , <b>2018</b> , 16, e2004663	9.7	22
21	Metabolism of murine TH 17 cells: Impact on cell fate and function. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 807-16	6.1	21
20	The nuclear receptor REV-ERB $\alpha$ modulates Th17 cell-mediated autoimmune disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18528-18536	11.5	20
19	A molecular switch regulating transcriptional repression and activation of PPAR $\alpha$ . <i>Nature Communications</i> , <b>2020</b> , 11, 956	17.4	19
18	Structure of REV-ERB $\alpha$ ligand-binding domain bound to a porphyrin antagonist. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 20054-66	5.4	18
17	ROR $\alpha$ modulates semaphorin 3E transcription and neurovascular interaction in pathological retinal angiogenesis. <i>FASEB Journal</i> , <b>2017</b> , 31, 4492-4502	0.9	13
16	Pharmacological and Genetic Modulation of REV-ERB Activity and Expression Affects Orexigenic Gene Expression. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151014	3.7	11
15	CAR directs T cell adaptation to bile acids in the small intestine. <i>Nature</i> , <b>2021</b> , 593, 147-151	50.4	10
14	Pharmacological Targeting the REV-ERBs in Sleep/Wake Regulation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162452	3.7	10
13	Distinct roles for REV-ERB $\alpha$ and REV-ERB $\beta$ in oxidative capacity and mitochondrial biogenesis in skeletal muscle. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196787	3.7	9
12	Th17 cells in Type 1 diabetes: a future perspective. <i>Diabetes Management</i> , <b>2015</b> , 5, 247-250	0	8
11	Structural and biophysical insights into the ligand-free Pitx2 homeodomain and a ring dermoid of the cornea inducing homeodomain mutant. <i>Biochemistry</i> , <b>2012</b> , 51, 665-76	3.2	7
10	Genetic and pharmacological inhibition of the nuclear receptor ROR $\alpha$ regulates T17 driven inflammatory disorders. <i>Nature Communications</i> , <b>2021</b> , 12, 76	17.4	7
9	Structural basis for heme-dependent NCoR binding to the transcriptional repressor REV-ERB $\alpha$ . <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
8	Cutting edge: association with I $\kappa$ B kinase beta regulates the subcellular localization of Homer3. <i>Journal of Immunology</i> , <b>2010</b> , 185, 2665-9	5.3	5
7	Pharmacological modulation and genetic deletion of REV-ERB $\alpha$ and REV-ERB $\beta$ regulates dendritic cell development. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 527, 1000-1007	3.4	5

6	REV-ERB $\beta$ s required to maintain normal wakefulness and the wake-inducing effect of dual REV-ERB agonist SR9009. <i>Biochemical Pharmacology</i> , <b>2018</b> , 150, 1-8	6	2
5	Identification of potent ROR $\alpha$ modulators: Scaffold variation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 3210-3215	2.9	2
4	Uncovering New Challenges in Targeting Glycolysis to Treat Th17 Cell-Mediated Autoimmunity. <i>Immunometabolism</i> , <b>2021</b> , 3,	4.1	2
3	REV-ERB $\beta$ regulates age-related and oxidative stress-induced degeneration in retinal pigment epithelium via NRF2.. <i>Redox Biology</i> , <b>2022</b> , 51, 102261	11.3	1
2	Discovery and Optimization of a Series of Sulfonamide Inverse Agonists for the Retinoic Acid Receptor-Related Orphan Receptor- $\alpha$ <i>Medicinal Chemistry</i> , <b>2019</b> , 15, 676-684	1.8	0
1	Biased Signaling and Conformational Dynamics in Nuclear Hormone Receptors <b>2014</b> , 103-135		