

# Scott J Novick

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,551  
citations

516710

16  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Irisin Mediates Effects on Bone and Fat via $\alpha_5\beta_1$ Integrin Receptors. <i>Cell</i> , 2018, 175, 1756-1768.e17.	28.9	372
2	HDX Workbench: Software for the Analysis of H/D Exchange MS Data. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1512-1521.	2.8	258
3	Estrogen receptor alpha somatic mutations Y537S and D538G confer breast cancer endocrine resistance by stabilizing the activating function-2 binding conformation. <i>ELife</i> , 2016, 5, .	6.0	212
4	Structural Basis for the RNA-Guided Ribonuclease Activity of CRISPR-Cas13d. <i>Cell</i> , 2018, 175, 212-223.e17.	28.9	195
5	Full antagonism of the estrogen receptor without a prototypical ligand side chain. <i>Nature Chemical Biology</i> , 2017, 13, 111-118.	8.0	48
6	Synergistic Regulation of Coregulator/Nuclear Receptor Interaction by Ligand and DNA. <i>Structure</i> , 2017, 25, 1506-1518.e4.	3.3	45
7	Structure of an AMPK complex in an inactive, ATP-bound state. <i>Science</i> , 2021, 373, 413-419.	12.6	42
8	Structures of the human LONP1 protease reveal regulatory steps involved in protease activation. <i>Nature Communications</i> , 2021, 12, 3239.	12.8	40
9	Deconvoluting AMP-activated protein kinase (AMPK) adenine nucleotide binding and sensing. <i>Journal of Biological Chemistry</i> , 2017, 292, 12653-12666.	3.4	39
10	HDX reveals the conformational dynamics of DNA sequence specific VDR co-activator interactions. <i>Nature Communications</i> , 2017, 8, 923.	12.8	39
11	Structures of AMP-activated protein kinase bound to novel pharmacological activators in phosphorylated, non-phosphorylated, and nucleotide-free states. <i>Journal of Biological Chemistry</i> , 2019, 294, 953-967.	3.4	29
12	HDX-MS reveals dysregulated checkpoints that compromise discrimination against self RNA during RIG-I mediated autoimmunity. <i>Nature Communications</i> , 2018, 9, 5366.	12.8	26
13	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-G $\beta$ 25 signaling complex. <i>Science</i> , 2022, 375, 86-91.	12.6	24
14	One-step construction of circularized nanodiscs using SpyCatcher-SpyTag. <i>Nature Communications</i> , 2021, 12, 5451.	12.8	22
15	Discovery of Hydrolysis-Resistant Isoindoline <i>N</i> -Acyl Amino Acid Analogues that Stimulate Mitochondrial Respiration. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3224-3230.	6.4	20
16	Definition of functionally and structurally distinct repressive states in the nuclear receptor PPAR $\beta$ . <i>Nature Communications</i> , 2019, 10, 5825.	12.8	20
17	Nucleotide Binding to ARL2 in the TBCD-ARL2- $\beta$ -Tubulin Complex Drives Conformational Changes in $\beta$ -Tubulin. <i>Journal of Molecular Biology</i> , 2017, 429, 3696-3716.	4.2	18
18	Structural organization of a major neuronal G protein regulator, the RGS7-G $\beta$ 25-R7BP complex. <i>ELife</i> , 2018, 7, .	6.0	18

#	ARTICLE	IF	CITATIONS
19	CMT2N-causing aminoacylation domain mutants enable Nrp1 interaction with AlaRS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
20	Dual-mechanism estrogen receptor inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
21	Comparative Analysis of Cleavage Specificities of Immobilized Porcine Pepsin and Nepenthesin II under Hydrogen/Deuterium Exchange Conditions. Analytical Chemistry, 2020, 92, 11018-11028.	6.5	12
22	HDX-MS reveals structural determinants for ROR $\gamma^3$ hyperactivation by synthetic agonists. ELife, 2019, 8, .	6.0	12
23	Unique Polypharmacology Nuclear Receptor Modulator Blocks Inflammatory Signaling Pathways. ACS Chemical Biology, 2019, 14, 1051-1062.	3.4	8
24	Structural and Dynamic Elucidation of a Non-acid PPAR $\gamma^3$ Partial Agonist: SR1988. Nuclear Receptor Research, 2018, 5, .	2.5	5
25	Conformational Changes of ROR $\gamma^3$ During Response Element Recognition and Coregulator Engagement. Journal of Molecular Biology, 2021, 433, 167258.	4.2	4
26	Identification of potent ROR $\gamma^2$ modulators: Scaffold variation. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3210-3215.	2.2	3
27	Structure-Activity Relationship and Biological Investigation of SR18292 ( <b>16</b> ), a Suppressor of Glucagon-Induced Glucose Production. Journal of Medicinal Chemistry, 2021, 64, 980-990.	6.4	2
28	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-G $\alpha^{25}$ signaling complex. Science, 2021, , eabl4732.	12.6	2
29	Synthetic fluorescent MYC probe: Inhibitor binding site elucidation and development of a high-throughput screening assay. Bioorganic and Medicinal Chemistry, 2021, 42, 116246.	3.0	1