

Patrick R Griffin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4025850/publications.pdf>

Version: 2024-02-01

226
papers

21,832
citations

14124

69
h-index

11946

139
g-index

250
all docs

250
docs citations

250
times ranked

29993
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of an NAD ⁺ analogue with enhanced specificity for PARP1. <i>Chemical Science</i> , 2022, 13, 1982-1991.	3.7	11
2	Identification and Optimization of a Novel HIV-1 Integrase Inhibitor. <i>ACS Omega</i> , 2022, 7, 4482-4491.	1.6	4
3	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-G β 5 signaling complex. <i>Science</i> , 2022, 375, 86-91.	6.0	24
4	The intrinsically disordered CARDs-Helicase linker in RIG-I is a molecular gate for RNA proofreading. <i>EMBO Journal</i> , 2022, 41, e109782.	3.5	9
5	Differential Modulation of Nuclear Receptor LRH-1 through Targeting Buried and Surface Regions of the Binding Pocket. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6888-6902.	2.9	4
6	Client Specificity of an ATP-Independent Chaperone is Regulated by a Temperature Sensitive Switch. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
7	Structure-Activity Relationship and Biological Investigation of SR18292 (16), a Suppressor of Glucagon-Induced Glucose Production. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 980-990.	2.9	2
8	A Bifunctional NAD ⁺ for Profiling Poly-ADP-Ribosylation-Dependent Interacting Proteins. <i>ACS Chemical Biology</i> , 2021, 16, 389-396.	1.6	16
9	CMT2N-causing aminoacylation domain mutants enable Nrp1 interaction with AlaRS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
10	Structures of the human LONP1 protease reveal regulatory steps involved in protease activation. <i>Nature Communications</i> , 2021, 12, 3239.	5.8	40
11	PPARG in osteocytes controls sclerostin expression, bone mass, marrow adiposity and mediates TZD-induced bone loss. <i>Bone</i> , 2021, 147, 115913.	1.4	23
12	Revealing the Structural Plasticity of SARS-CoV-2 nsp7 and nsp8 Using Structural Proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1618-1630.	1.2	13
13	Structure of an AMPK complex in an inactive, ATP-bound state. <i>Science</i> , 2021, 373, 413-419.	6.0	42
14	Synthetic fluorescent MYC probe: Inhibitor binding site elucidation and development of a high-throughput screening assay. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116246.	1.4	1
15	Dual-mechanism estrogen receptor inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
16	Insights into the structure and RNA-binding specificity of <i>Caenorhabditis elegans</i> Dicer-related helicase 3 (DRH-3). <i>Nucleic Acids Research</i> , 2021, 49, 9978-9991.	6.5	4
17	One-step construction of circularized nanodiscs using SpyCatcher-SpyTag. <i>Nature Communications</i> , 2021, 12, 5451.	5.8	22
18	Discovery of Selective Inhibitors for In Vitro and In Vivo Interrogation of Skeletal Myosin II. <i>ACS Chemical Biology</i> , 2021, 16, 2164-2173.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Conformational Changes of ROR β During Response Element Recognition and Coregulator Engagement. <i>Journal of Molecular Biology</i> , 2021, 433, 167258.	2.0	4
20	Structural basis for heme-dependent NCoR binding to the transcriptional repressor REV-ERB β . <i>Science Advances</i> , 2021, 7, .	4.7	13
21	Ordered assembly of the cytosolic RNA-sensing MDA5-MAVS signaling complex via binding to unanchored K63-linked poly-ubiquitin chains. <i>Immunity</i> , 2021, 54, 2218-2230.e5.	6.6	23
22	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-G β 25 signaling complex. <i>Science</i> , 2021, , eabl4732.	6.0	2
23	Multivalent interactions drive nucleosome binding and efficient chromatin deacetylation by SIRT6. <i>Nature Communications</i> , 2020, 11, 5244.	5.8	36
24	Integrative structural biology studies of HIV-1 reverse transcriptase binding to a high-affinity DNA aptamer. <i>Current Research in Structural Biology</i> , 2020, 2, 116-129.	1.1	8
25	High-Throughput Screening for Drugs That Inhibit Papain-Like Protease in SARS-CoV-2. <i>SLAS Discovery</i> , 2020, 25, 1152-1161.	1.4	38
26	Structural and mechanistic bases for a potent HIV-1 capsid inhibitor. <i>Science</i> , 2020, 370, 360-364.	6.0	114
27	Structural and Functional Studies of Chikungunya Virus nsP2. <i>Proceedings (mdpi)</i> , 2020, 50, .	0.2	0
28	Comparative Analysis of Cleavage Specificities of Immobilized Porcine Pepsin and Nepenthesin II under Hydrogen/Deuterium Exchange Conditions. <i>Analytical Chemistry</i> , 2020, 92, 11018-11028.	3.2	12
29	A Disorder-to-Order Transition Activates an ATP-Independent Membrane Protein Chaperone. <i>Journal of Molecular Biology</i> , 2020, 432, 166708.	2.0	8
30	A Steric α -Ball-and-Chain Mechanism for pH-Mediated Regulation of Gap Junction Channels. <i>Cell Reports</i> , 2020, 31, 107482.	2.9	35
31	A molecular switch regulating transcriptional repression and activation of PPAR β . <i>Nature Communications</i> , 2020, 11, 956.	5.8	45
32	Binding interface and impact on protease cleavage for an RNA aptamer to HIV-1 reverse transcriptase. <i>Nucleic Acids Research</i> , 2020, 48, 2709-2722.	6.5	22
33	A simple and robust cell-based assay for the discovery of novel cytokinesis inhibitors. <i>Journal of Biological Methods</i> , 2020, 7, e136.	1.0	4
34	Identification of Antimalarial Inhibitors Using Late-Stage Gametocytes in a Phenotypic Live/Dead Assay. <i>SLAS Discovery</i> , 2019, 24, 38-46.	1.4	5
35	Structure-guided design of immunomodulatory RNA s specifically targeting the cytoplasmic viral RNA sensor RIG β . <i>FEBS Letters</i> , 2019, 593, 3003-3014.	1.3	6
36	Protein dynamics and conformational changes explored by hydrogen/deuterium exchange mass spectrometry. <i>Current Opinion in Structural Biology</i> , 2019, 58, 305-313.	2.6	58

#	ARTICLE	IF	CITATIONS
37	Recommendations for performing, interpreting and reporting hydrogen deuterium exchange mass spectrometry (HDX-MS) experiments. <i>Nature Methods</i> , 2019, 16, 595-602.	9.0	452
38	Histone H3 binding to the PHD1 domain of histone demethylase KDM5A enables active site remodeling. <i>Nature Communications</i> , 2019, 10, 94.	5.8	38
39	The Scripps Molecular Screening Center and Translational Research Institute. <i>SLAS Discovery</i> , 2019, 24, 386-397.	1.4	15
40	Structural Basis of Altered Potency and Efficacy Displayed by a Major in Vivo Metabolite of the Antidiabetic PPAR β Drug Pioglitazone. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2008-2023.	2.9	26
41	Structural insights into RNA recognition by the Chikungunya virus nsP2 helicase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9558-9567.	3.3	50
42	Unique Polypharmacology Nuclear Receptor Modulator Blocks Inflammatory Signaling Pathways. <i>ACS Chemical Biology</i> , 2019, 14, 1051-1062.	1.6	8
43	A Decoupled Automation Platform for Hydrogen/Deuterium Exchange Mass Spectrometry Experiments. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2580-2583.	1.2	14
44	Quantitative structural assessment of graded receptor agonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22179-22188.	3.3	21
45	Definition of functionally and structurally distinct repressive states in the nuclear receptor PPAR β . <i>Nature Communications</i> , 2019, 10, 5825.	5.8	20
46	Defining a Canonical Ligand-Binding Pocket in the Orphan Nuclear Receptor Nurr1. <i>Structure</i> , 2019, 27, 66-77.e5.	1.6	37
47	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.	1.6	29
48	HDX-MS reveals structural determinants for ROR β hyperactivation by synthetic agonists. <i>ELife</i> , 2019, 8, .	2.8	12
49	Discovery and Optimization of a Series of Sulfonamide Inverse Agonists for the Retinoic Acid Receptor-Related Orphan Receptor- β . <i>Medicinal Chemistry</i> , 2019, 15, 676-684.	0.7	2
50	Design, synthesis, and evaluation of simple phenol amides as ERR β agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1313-1319.	1.0	9
51	Interactome Analysis Reveals Regulator of G Protein Signaling 14 (RGS14) is a Novel Calcium/Calmodulin (Ca ²⁺ /CaM) and CaM Kinase II (CaMKII) Binding Partner. <i>Journal of Proteome Research</i> , 2018, 17, 1700-1711.	1.8	21
52	Biophysical Interactions of Direct AMPK Activators. <i>Methods in Molecular Biology</i> , 2018, 1732, 29-55.	0.4	1
53	Identification of an aminothiazole series of ROR β modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1178-1181.	1.0	8
54	Lipid binding promotes the open conformation and tumor-suppressive activity of neurofibromin 2. <i>Nature Communications</i> , 2018, 9, 1338.	5.8	42

#	ARTICLE	IF	CITATIONS
55	CINPA1 binds directly to constitutive androstane receptor and inhibits its activity. <i>Biochemical Pharmacology</i> , 2018, 152, 211-223.	2.0	19
56	Noncanonical agonist PPAR β ligands modulate the response to DNA damage and sensitize cancer cells to cytotoxic chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 561-566.	3.3	45
57	Defining a conformational ensemble that directs activation of PPAR β . <i>Nature Communications</i> , 2018, 9, 1794.	5.8	53
58	The AP-1-BATF and -BATF3 module is essential for growth, survival and TH17/ILC3 skewing of anaplastic large cell lymphoma. <i>Leukemia</i> , 2018, 32, 1994-2007.	3.3	70
59	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.	2.9	20
60	A structural mechanism for directing corepressor-selective inverse agonism of PPAR β . <i>Nature Communications</i> , 2018, 9, 4687.	5.8	38
61	Structural organization of a major neuronal G protein regulator, the RGS7-G β 5-R7BP complex. <i>ELife</i> , 2018, 7, .	2.8	18
62	HDX-MS reveals dysregulated checkpoints that compromise discrimination against self RNA during RIG-I mediated autoimmunity. <i>Nature Communications</i> , 2018, 9, 5366.	5.8	26
63	Irisin Mediates Effects on Bone and Fat via α V Integrin Receptors. <i>Cell</i> , 2018, 175, 1756-1768.e17.	13.5	372
64	Structural Basis for the RNA-Guided Ribonuclease Activity of CRISPR-Cas13d. <i>Cell</i> , 2018, 175, 212-223.e17.	13.5	195
65	Chemical Crosslinking Mass Spectrometry Reveals the Conformational Landscape of the Activation Helix of PPAR β ; a Model for Ligand-Dependent Antagonism. <i>Structure</i> , 2018, 26, 1431-1439.e6.	1.6	24
66	Ablation of PM20D1 reveals N-acyl amino acid control of metabolism and nociception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6937-E6945.	3.3	43
67	A Novel Polar Core and Weakly Fixed C-Tail in Squid Arrestin Provide New Insight into Interaction with Rhodopsin. <i>Journal of Molecular Biology</i> , 2018, 430, 4102-4118.	2.0	7
68	Identification of potent ROR β modulators: Scaffold variation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3210-3215.	1.0	3
69	PPAR β in Complex with an Antagonist and Inverse Agonist: a Tumble and Trap Mechanism of the Activation Helix. <i>IScience</i> , 2018, 5, 69-79.	1.9	40
70	Structural and Dynamic Elucidation of a Non-acid PPAR β Partial Agonist: SR1988. <i>Nuclear Receptor Research</i> , 2018, 5, .	2.5	5
71	The SERM/SERD basedoxifene disrupts ESR1 helix 12 to overcome acquired hormone resistance in breast cancer cells. <i>ELife</i> , 2018, 7, .	2.8	72
72	Structure-Activity Relationship of 2,4-Dichloro- <i>N</i> -(3,5-dichloro-4-(quinolin-3-yloxy)phenyl)benzenesulfonamide (INT131) Analogs for PPAR β -Targeted Antidiabetics. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4584-4593.	2.9	22

#	ARTICLE	IF	CITATIONS
73	Deconvoluting AMP-activated protein kinase (AMPK) adenine nucleotide binding and sensing. <i>Journal of Biological Chemistry</i> , 2017, 292, 12653-12666.	1.6	39
74	Structure of the full-length glucagon class B G-protein-coupled receptor. <i>Nature</i> , 2017, 546, 259-264.	13.7	179
75	Structural Basis of TPR-Mediated Oligomerization and Activation of Oncogenic Fusion Kinases. <i>Structure</i> , 2017, 25, 867-877.e3.	1.6	14
76	Molecular assembly of rhodopsin with G protein-coupled receptor kinases. <i>Cell Research</i> , 2017, 27, 728-747.	5.7	40
77	Structure and Dynamics of the Liver Receptor Homolog 1â€“PGC1<i>±</i> Complex. <i>Molecular Pharmacology</i> , 2017, 92, 1-11.	1.0	22
78	KK-92A, a novel GABAB receptor positive allosteric modulator, attenuates nicotine self-administration and cue-induced nicotine seeking in rats. <i>Psychopharmacology</i> , 2017, 234, 1633-1644.	1.5	15
79	Selective Chemical Inhibition of PGC-1± Gluconeogenic Activity Ameliorates Type 2 Diabetes. <i>Cell</i> , 2017, 169, 148-160.e15.	13.5	153
80	GABABreceptor allosteric modulators exhibit pathway-dependent and species-selective activity. <i>Pharmacology Research and Perspectives</i> , 2017, 5, e00288.	1.1	11
81	Synthesis of novel steroidal agonists, partial agonists, and antagonists for the glucocorticoid receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 347-353.	1.0	10
82	Nucleotide Binding to ARL2 in the TBCD â™ ARL2 â™ Î²-Tubulin Complex Drives Conformational Changes in Î²-Tubulin. <i>Journal of Molecular Biology</i> , 2017, 429, 3696-3716.	2.0	18
83	Unique Interactome Network Signatures for Peroxisome Proliferator-activated Receptor Gamma (PPARÎ³) Modulation by Functional Selective Ligands. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2098-2110.	2.5	4
84	SPA70 is a potent antagonist of human pregnane X receptor. <i>Nature Communications</i> , 2017, 8, 741.	5.8	82
85	HDX reveals the conformational dynamics of DNA sequence specific VDR co-activator interactions. <i>Nature Communications</i> , 2017, 8, 923.	5.8	39
86	Synergistic Regulation of Coregulator/Nuclear Receptor Interaction by Ligand and DNA. <i>Structure</i> , 2017, 25, 1506-1518.e4.	1.6	45
87	Identification of Phosphorylation Codes for Arrestin Recruitment by G Protein-Coupled Receptors. <i>Cell</i> , 2017, 170, 457-469.e13.	13.5	344
88	A Residue-Resolved Bayesian Approach to Quantitative Interpretation of Hydrogenâ€“Deuterium Exchange from Mass Spectrometry: Application to Characterizing Proteinâ€“Ligand Interactions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3493-3501.	1.2	52
89	Proteolysis by Granzyme B Enhances Presentation of Autoantigenic Peptidylarginine Deiminase 4 Epitopes in Rheumatoid Arthritis. <i>Journal of Proteome Research</i> , 2017, 16, 355-365.	1.8	25
90	Full antagonism of the estrogen receptor without a prototypical ligand side chain. <i>Nature Chemical Biology</i> , 2017, 13, 111-118.	3.9	48

#	ARTICLE	IF	CITATIONS
91	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, .	2.8	212
92	The Methionine Transamination Pathway Controls Hepatic Glucose Metabolism through Regulation of the GCN5 Acetyltransferase and the PGC-1 β Transcriptional Coactivator. <i>Journal of Biological Chemistry</i> , 2016, 291, 10635-10645.	1.6	31
93	Crystal Structures of the Nuclear Receptor, Liver Receptor Homolog 1, Bound to Synthetic Agonists. <i>Journal of Biological Chemistry</i> , 2016, 291, 25281-25291.	1.6	25
94	N-Arylsulfonyl Indolines as Retinoic Acid Receptor-Related Orphan Receptor β (ROR β) Agonists. <i>ChemMedChem</i> , 2016, 11, 2607-2620.	1.6	24
95	PPARG Post-translational Modifications Regulate Bone Formation and Bone Resorption. <i>EBioMedicine</i> , 2016, 10, 174-184.	2.7	64
96	Neddylation requires glycyl-tRNA synthetase to protect activated E2. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 730-737.	3.6	38
97	Two-Site Evaluation of the Repeatability and Precision of an Automated Dual-Column Hydrogen/Deuterium Exchange Mass Spectrometry Platform. <i>Analytical Chemistry</i> , 2016, 88, 6607-6614.	3.2	25
98	Identification and function of conformational dynamics in the multidomain GTPase dynamin. <i>EMBO Journal</i> , 2016, 35, 443-457.	3.5	37
99	The Secreted Enzyme PM20D1 Regulates Lipidated Amino Acid Uncouplers of Mitochondria. <i>Cell</i> , 2016, 166, 424-435.	13.5	188
100	Synthetic ROR β Agonists Enhance Protective Immunity. <i>ACS Chemical Biology</i> , 2016, 11, 1012-1018.	1.6	48
101	SR2067 Reveals a Unique Kinetic and Structural Signature for PPAR β Partial Agonism. <i>ACS Chemical Biology</i> , 2016, 11, 273-283.	1.6	34
102	The Competitive Interplay between Allosteric HIV-1 Integrase Inhibitor BI/D and LEDGF/p75 during the Early Stage of HIV-1 Replication Adversely Affects Inhibitor Potency. <i>ACS Chemical Biology</i> , 2016, 11, 1313-1321.	1.6	29
103	PPAR β Antagonist Gleevec Improves Insulin Sensitivity and Promotes the Browning of White Adipose Tissue. <i>Diabetes</i> , 2016, 65, 829-839.	0.3	80
104	Identification of Bexarotene as a PPAR β Antagonist with HDX. <i>PPAR Research</i> , 2015, 2015, 1-6.	1.1	17
105	Pharmacological repression of PPAR β promotes osteogenesis. <i>Nature Communications</i> , 2015, 6, 7443.	5.8	99
106	Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. <i>Cell</i> , 2015, 161, 1252-1265.	13.5	135
107	Antiobesity Effect of a Small Molecule Repressor of ROR β . <i>Molecular Pharmacology</i> , 2015, 88, 48-56.	1.0	33
108	Antiproliferation Activity of a Small Molecule Repressor of Liver Receptor Homolog 1. <i>Molecular Pharmacology</i> , 2015, 87, 296-304.	1.0	42

#	ARTICLE	IF	CITATIONS
109	Design, Synthesis, and Biological Evaluation of Indole Biphenylcarboxylic Acids as PPAR β Antagonists. ACS Medicinal Chemistry Letters, 2015, 6, 998-1003.	1.3	25
110	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. Nature, 2015, 523, 561-567.	13.7	683
111	Differential Isotopic Enrichment To Facilitate Characterization of Asymmetric Multimeric Proteins Using Hydrogen/Deuterium Exchange Mass Spectrometry. Analytical Chemistry, 2015, 87, 4015-4022.	3.2	4
112	Integration of G Protein $\beta\gamma$ (G $\beta\gamma$) Signaling by the Regulator of G Protein Signaling 14 (RGS14). Journal of Biological Chemistry, 2015, 290, 9037-9049.	1.6	24
113	Destabilization of strigolactone receptor DWARF14 by binding of ligand and E3-ligase signaling effector DWARF3. Cell Research, 2015, 25, 1219-1236.	5.7	152
114	CMT2D neuropathy is linked to the neomorphic binding activity of glycyl-tRNA synthetase. Nature, 2015, 526, 710-714.	13.7	137
115	Structural basis of JAZ repression of MYC transcription factors in jasmonate signalling. Nature, 2015, 525, 269-273.	13.7	248
116	SERBP1 Is a Component of the Liver Receptor Homologue-1 Transcriptional Complex. Journal of Proteome Research, 2015, 14, 4571-4580.	1.8	9
117	Software Analysis of Uncorrelated MS1 Peaks for Discovery of Post-Translational Modifications. Journal of the American Society for Mass Spectrometry, 2015, 26, 2133-2140.	1.2	2
118	A General Method for Insertion of Functional Proteins within Proteins via Combinatorial Selection of Permissive Junctions. Chemistry and Biology, 2015, 22, 1134-1143.	6.2	9
119	Structural mechanism for signal transduction in RXR nuclear receptor heterodimers. Nature Communications, 2015, 6, 8013.	5.8	101
120	Glucagon-Like Peptide-1 Receptor Ligand Interactions: Structural Cross Talk between Ligands and the Extracellular Domain. PLoS ONE, 2014, 9, e105683.	1.1	13
121	Resveratrol modulates the inflammatory response via an estrogen receptor-signal integration network. ELife, 2014, 3, e02057.	2.8	113
122	Defining the Communication between Agonist and Coactivator Binding in the Retinoid X Receptor β Ligand Binding Domain. Journal of Biological Chemistry, 2014, 289, 814-826.	1.6	49
123	HDX-MS guided drug discovery: small molecules and biopharmaceuticals. Current Opinion in Structural Biology, 2014, 28, 105-111.	2.6	78
124	Bufalin Is a Potent Small-Molecule Inhibitor of the Steroid Receptor Coactivators SRC-3 and SRC-1. Cancer Research, 2014, 74, 1506-1517.	0.4	145
125	RORs in Autoimmune Disease. Current Topics in Microbiology and Immunology, 2014, 378, 171-182.	0.7	17
126	Structural Basis for Ligand Regulation of the Fatty Acid-binding Protein 5, Peroxisome Proliferator-activated Receptor β (FABP5-PPAR β) Signaling Pathway. Journal of Biological Chemistry, 2014, 289, 14941-14954.	1.6	101

#	ARTICLE	IF	CITATIONS
127	The Therapeutic Potential of Nuclear Receptor Modulators for Treatment of Metabolic Disorders: PPAR β , RORs, and Rev-erbs. <i>Cell Metabolism</i> , 2014, 19, 193-208.	7.2	106
128	Nitric Oxide-Induced Conformational Changes in Soluble Guanylate Cyclase. <i>Structure</i> , 2014, 22, 602-611.	1.6	68
129	Identification of a Small Molecular Insulin Receptor Agonist With Potent Antidiabetes Activity. <i>Diabetes</i> , 2014, 63, 1394-1409.	0.3	45
130	Inhibiting AMPylation: A Novel Screen To Identify the First Small Molecule Inhibitors of Protein AMPylation. <i>ACS Chemical Biology</i> , 2014, 9, 433-442.	1.6	23
131	Glucocorticoid Receptor Function Regulated by Coordinated Action of the Hsp90 and Hsp70 Chaperone Cycles. <i>Cell</i> , 2014, 157, 1685-1697.	13.5	327
132	A Critical Role of the C-terminal Segment for Allosteric Inhibitor-induced Aberrant Multimerization of HIV-1 Integrase. <i>Journal of Biological Chemistry</i> , 2014, 289, 26430-26440.	1.6	28
133	An alternate binding site for PPAR β ligands. <i>Nature Communications</i> , 2014, 5, 3571.	5.8	148
134	Pharmacologic Repression of Retinoic Acid Receptor-Related Orphan Nuclear Receptor β Is Therapeutic in the Collagen-Induced Arthritis Experimental Model. <i>Arthritis and Rheumatology</i> , 2014, 66, 579-588.	2.9	81
135	HDX reveals unique fragment ligands for the vitamin D receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3459-3463.	1.0	20
136	Influence of Domain Interactions on Conformational Mobility of the Progesterone Receptor Detected by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Structure</i> , 2014, 22, 961-973.	1.6	27
137	An Antibody with a Variable Region Coiled-Coil Knob-Domain. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 132-135.	7.2	25
138	Identification of Verrucarin A as a Potent and Selective Steroid Receptor Coactivator-3 Small Molecule Inhibitor. <i>PLoS ONE</i> , 2014, 9, e95243.	1.1	33
139	Small molecule amides as potent ROR- β selective modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 532-536.	1.0	28
140	Time Window Expansion for HDX Analysis of an Intrinsically Disordered Protein. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1584-1592.	1.2	67
141	Activation of AMP-Activated Protein Kinase Revealed by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Structure</i> , 2013, 21, 1942-1953.	1.6	38
142	Protein Conformation Ensembles Monitored by HDX Reveal a Structural Rationale for Abscisic Acid Signaling Protein Affinities and Activities. <i>Structure</i> , 2013, 21, 229-235.	1.6	31
143	Synthetic modulators of the retinoic acid receptor-related orphan receptors. <i>MedChemComm</i> , 2013, 4, 764.	3.5	26
144	Biophysical mechanisms for large-effect mutations in the evolution of steroid hormone receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11475-11480.	3.3	61

#	ARTICLE	IF	CITATIONS
145	Regulation of the Structurally Dynamic N-terminal Domain of Progesterone Receptor by Protein-induced Folding. <i>Journal of Biological Chemistry</i> , 2013, 288, 30285-30299.	1.6	42
146	Divergent Sequence Tunes Ligand Sensitivity in Phospholipid-regulated Hormone Receptors. <i>Journal of Biological Chemistry</i> , 2013, 288, 20702-20712.	1.6	14
147	Targeting the Peroxisome Proliferator-Activated Receptor- β to Counter the Inflammatory Milieu in Obesity. <i>Diabetes and Metabolism Journal</i> , 2013, 37, 395.	1.8	40
148	Antidiabetic phospholipid-nuclear receptor complex reveals the mechanism for phospholipid-driven gene regulation. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 532-537.	3.6	73
149	The therapeutic potential of ROR γ modulators in the treatment of human disease. <i>Journal of Experimental Pharmacology</i> , 2012, 4, 141.	1.5	5
150	Binding of the N-terminal Region of Coactivator TIF2 to the Intrinsically Disordered AF1 Domain of the Glucocorticoid Receptor Is Accompanied by Conformational Reorganizations. <i>Journal of Biological Chemistry</i> , 2012, 287, 44546-44560.	1.6	46
151	Genomic and Nongenomic Signaling Induced by $1\alpha,25(\text{OH})_2$ -Vitamin D3 Promotes the Recovery of Amyloid- β Phagocytosis by Alzheimer's Disease Macrophages. <i>Journal of Alzheimer's Disease</i> , 2012, 29, 51-62.	1.2	107
152	TRPV4 Is a Regulator of Adipose Oxidative Metabolism, Inflammation, and Energy Homeostasis. <i>Cell</i> , 2012, 151, 96-110.	13.5	292
153	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.	1.2	258
154	Identification of SR2211: A Potent Synthetic ROR β -Selective Modulator. <i>ACS Chemical Biology</i> , 2012, 7, 672-677.	1.6	126
155	Hydrophobic Interactions Improve Selectivity to ER α for Benzothiophene SERMs. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 207-210.	1.3	15
156	Identification of a Selective ROR β Ligand That Suppresses T _H 17 Cells and Stimulates T Regulatory Cells. <i>ACS Chemical Biology</i> , 2012, 7, 1515-1519.	1.6	67
157	Molecular Mimicry Regulates ABA Signaling by SnRK2 Kinases and PP2C Phosphatases. <i>Science</i> , 2012, 335, 85-88.	6.0	439
158	Development of Novel Pharmacotherapeutics for Tobacco Dependence: Progress and Future Directions. <i>Nicotine and Tobacco Research</i> , 2012, 14, 1300-1318.	1.4	33
159	Identification and Mechanism of 10-Carbon Fatty Acid as Modulating Ligand of Peroxisome Proliferator-activated Receptors. <i>Journal of Biological Chemistry</i> , 2012, 287, 183-195.	1.6	119
160	MLN4924: a novel first-in-class inhibitor of NEDD8-activating enzyme for cancer therapy. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1563-1573.	1.9	154
161	Targeting Orphan Nuclear Receptors for Treatment of Metabolic Diseases and Autoimmunity. <i>Chemistry and Biology</i> , 2012, 19, 51-59.	6.2	101
162	Ligand and Receptor Dynamics Contribute to the Mechanism of Graded PPAR β Agonism. <i>Structure</i> , 2012, 20, 139-150.	1.6	133

#	ARTICLE	IF	CITATIONS
163	Automated Hydrogen/Deuterium Exchange Electron Transfer Dissociation High Resolution Mass Spectrometry Measured at Single-Amide Resolution. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 301-309.	1.2	79
164	Identification of a Novel Non-retinoid Pan Inverse Agonist of the Retinoic Acid Receptors. <i>ACS Chemical Biology</i> , 2011, 6, 618-627.	1.6	15
165	Identification of SR3335 (ML-176): A Synthetic ROR α Selective Inverse Agonist. <i>ACS Chemical Biology</i> , 2011, 6, 218-222.	1.6	114
166	A nuclear-receptor-dependent phosphatidylcholine pathway with antidiabetic effects. <i>Nature</i> , 2011, 474, 506-510.	13.7	213
167	Differential hydrogen/deuterium exchange mass spectrometry analysis of protein-ligand interactions. <i>Expert Review of Proteomics</i> , 2011, 8, 43-59.	1.3	208
168	Antidiabetic actions of a non-agonist PPAR γ ligand blocking Cdk5-mediated phosphorylation. <i>Nature</i> , 2011, 477, 477-481.	13.7	484
169	DNA binding alters coactivator interaction surfaces of the intact VDR-RXR complex. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 556-563.	3.6	185
170	Suppression of TH17 differentiation and autoimmunity by a synthetic ROR ligand. <i>Nature</i> , 2011, 472, 491-494.	13.7	446
171	Helix 11 Dynamics Is Critical for Constitutive Androstane Receptor Activity. <i>Structure</i> , 2011, 19, 37-44.	1.6	26
172	Ligand-Dependent Perturbation of the Conformational Ensemble for the GPCR β 2 Adrenergic Receptor Revealed by HDX. <i>Structure</i> , 2011, 19, 1424-1432.	1.6	129
173	A Combined Ligand- and Structure-Based Virtual Screening Protocol Identifies Submicromolar PPAR γ Partial Agonists. <i>ChemMedChem</i> , 2011, 6, 94-103.	1.6	26
174	Methods for the analysis of high precision differential hydrogen-deuterium exchange data. <i>International Journal of Mass Spectrometry</i> , 2011, 302, 59-68.	0.7	44
175	The structural basis for recognition of base J containing DNA by a novel DNA binding domain in JBP1. <i>Nucleic Acids Research</i> , 2011, 39, 5715-5728.	6.5	32
176	Development of an HTS-Compatible Assay for Discovery of ROR α Modulators Using AlphaScreen $\text{\textcircled{R}}$ Technology. <i>Journal of Biomolecular Screening</i> , 2011, 16, 183-191.	2.6	0
177	Disorder-to-order transition underlies the structural basis for the assembly of a transcriptionally active PGC-1 β /ERR α complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18678-18683.	3.3	56
178	Structural basis for basal activity and autoactivation of abscisic acid (ABA) signaling SnRK2 kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 21259-21264.	3.3	160
179	Ligand regulation of retinoic acid receptor-related orphan receptors: implications for development of novel therapeutics. <i>Current Opinion in Lipidology</i> , 2010, 21, 204-211.	1.2	55
180	Hydrogen/Deuterium Exchange Reveals Distinct Agonist/Partial Agonist Receptor Dynamics within Vitamin D Receptor/Retinoid X Receptor Heterodimer. <i>Structure</i> , 2010, 18, 1332-1341.	1.6	93

#	ARTICLE	IF	CITATIONS
181	Anti-diabetic drugs inhibit obesity-linked phosphorylation of PPAR β by Cdk5. <i>Nature</i> , 2010, 466, 451-456.	13.7	793
182	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- β / β Inverse Agonist. <i>Molecular Pharmacology</i> , 2010, 77, 228-236.	1.0	221
183	Modulation of Retinoic Acid Receptor-related Orphan Receptor β and β Activity by 7-Oxygenated Sterol Ligands. <i>Journal of Biological Chemistry</i> , 2010, 285, 5013-5025.	1.6	180
184	Regulation of Adipogenesis by Natural and Synthetic REV-ERB Ligands. <i>Endocrinology</i> , 2010, 151, 3015-3025.	1.4	115
185	Dynamics of the β -Adrenergic G-Protein Coupled Receptor Revealed by Hydrogen-Deuterium Exchange. <i>Analytical Chemistry</i> , 2010, 82, 1100-1108.	3.2	115
186	Identification of SR1078, a Synthetic Agonist for the Orphan Nuclear Receptors ROR α and ROR β . <i>ACS Chemical Biology</i> , 2010, 5, 1029-1034.	1.6	140
187	Identification of Specific Hemopexin-like Domain Residues That Facilitate Matrix Metalloproteinase Collagenolytic Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 24017-24024.	1.6	79
188	HD desktop: An integrated platform for the analysis and visualization of H/D exchange data. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 601-610.	1.2	97
189	Unique Ligand Binding Patterns between Estrogen Receptor α and β Revealed by Hydrogen-Deuterium Exchange. <i>Biochemistry</i> , 2009, 48, 9668-9676.	1.2	52
190	Efficient Methodology for the Synthesis of 3-Amino-1,2,4-triazoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 7595-7597.	1.7	21
191	Plant systems biology comes of age. <i>Trends in Plant Science</i> , 2008, 13, 165-171.	4.3	165
192	Potent, Selective and Cell Penetrant Inhibitors of SF-1 by Functional Ultra-High-Throughput Screening. <i>Molecular Pharmacology</i> , 2008, 73, 1776-1784.	1.0	56
193	Prediction of the tissue-specificity of selective estrogen receptor modulators by using a single biochemical method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7171-7176.	3.3	87
194	Improving digestion efficiency under H/D exchange conditions with activated pepsinogen coupled columns. <i>International Journal of Mass Spectrometry</i> , 2007, 259, 130-139.	0.7	48
195	Partial Agonists Activate PPAR β Using a Helix 12 Independent Mechanism. <i>Structure</i> , 2007, 15, 1258-1271.	1.6	321
196	A two-stage differential hydrogen deuterium exchange method for the rapid characterization of protein/ligand interactions. <i>Journal of Biomolecular Techniques</i> , 2007, 18, 194-204.	0.8	44
197	Probing Protein Ligand Interactions by Automated Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 1005-1014.	3.2	289
198	Hydrogen/deuterium-exchange (H/D-Ex) of PPAR β LBD in the presence of various modulators. <i>Protein Science</i> , 2006, 15, 1883-1892.	3.1	106

#	ARTICLE	IF	CITATIONS
199	Biomarker discovery in rat plasma for estrogen receptor- β action. <i>Electrophoresis</i> , 2005, 26, 4486-4494.	1.3	1
200	High-throughput analysis of protein structure by hydrogen/deuterium exchange mass spectrometry. <i>Methods of Biochemical Analysis</i> , 2005, 45, 131-57.	0.2	3
201	Mechanism of Janus kinase 3-catalyzed phosphorylation of a Janus kinase 1 activation loop peptide. <i>Archives of Biochemistry and Biophysics</i> , 2003, 410, 7-15.	1.4	16
202	The Role of Dipeptidyl Peptidase IV in the Cleavage of Glucagon Family Peptides. <i>Journal of Biological Chemistry</i> , 2003, 278, 22418-22423.	1.6	205
203	Rapid analysis of protein structure and dynamics by hydrogen/deuterium exchange mass spectrometry. <i>Journal of Biomolecular Techniques</i> , 2003, 14, 171-82.	0.8	116
204	Effect of Signal Interference from Dosing Excipients on Pharmacokinetic Screening of Drug Candidates by Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 6305-6313.	3.2	80
205	Mass Spectrometry Screening of Combinatorial Mixtures, Correlation of Measured and Predicted Electrospray Ionization Spectra. <i>Analytical Chemistry</i> , 2001, 73, 2941-2951.	3.2	26
206	Direct interaction of a vancomycin derivative with bacterial enzymes involved in cell wall biosynthesis. <i>Chemistry and Biology</i> , 2001, 8, 1095-1106.	6.2	38
207	Peroxynitrite reductase activity of bacterial peroxiredoxins. <i>Nature</i> , 2000, 407, 211-215.	13.7	629
208	Adenosine: A Partial Agonist of the Growth Hormone Secretagogue Receptor. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 1306-1313.	1.0	64
209	L-764406 Is a Partial Agonist of Human Peroxisome Proliferator-activated Receptor β . <i>Journal of Biological Chemistry</i> , 1999, 274, 7913-7922.	1.6	97
210	Discovery of a Small Molecule Insulin Mimetic with Antidiabetic Activity in Mice. <i>Science</i> , 1999, 284, 974-977.	6.0	446
211	Primary structure of β -bungarotoxin, a new postsynaptic neurotoxin from venom of <i>Bungarus multicinctus</i> . <i>Toxicon</i> , 1999, 37, 609-625.	0.8	30
212	Method To Compare Collision-Induced Dissociation Spectra of Peptides: A Potential for Library Searching and Subtractive Analysis. <i>Analytical Chemistry</i> , 1998, 70, 3557-3565.	3.2	182
213	Molecular Cloning and Functional Expression of Mannitol-1-phosphatase from the Apicomplexan Parasite <i>Eimeria tenella</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 4237-4244.	1.6	34
214	Development of a High Specific Activity Sulfur-35-Labeled Sulfonamide Radioligand That Allowed the Identification of a New Growth Hormone Secretagogue Receptor. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 1767-1770.	2.9	56
215	Expression and Immunoaffinity Purification of Human Inducible Nitric-oxide Synthase. <i>Journal of Biological Chemistry</i> , 1996, 271, 28212-28219.	1.6	20
216	Use of an antibody against the matrix metalloproteinase-generated aggrecan neopeptide fvdipen-cooh to assess the effects of stromelysin in a rabbit model of cartilage degradation. <i>Arthritis and Rheumatism</i> , 1995, 38, 1400-1409.	6.7	15

#	ARTICLE	IF	CITATIONS
217	Direct database searching with MALDI-PSD spectra of peptides. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 1546-1551.	0.7	89
218	Identification and inhibition of the ICE/CED-3 protease necessary for mammalian apoptosis. <i>Nature</i> , 1995, 376, 37-43.	13.7	3,863
219	Microchemical structural determination of a peptoid covalently bound to a polymeric bead by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Tetrahedron Letters</i> , 1994, 35, 4283-4286.	0.7	62
220	Primary structures of two proteins from the venom of the Mexican red knee tarantula (<i>Brachypelma</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	35
221	Complete enzymatic deglycosylation of native sex steroid-binding protein (SBP or SHBG) of human and rabbit plasma: Effect on the steroid-binding activity. <i>Protein Science</i> , 1992, 1, 902-909.	3.1	26
222	Structural analysis of proteins by capillary HPLC electrospray tandem mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 111, 131-149.	1.9	86
223	A new peptide in the FMRFamide family isolated from the CNS of the hawkmoth, <i>Manduca sexta</i> . <i>Peptides</i> , 1990, 11, 849-856.	1.2	134
224	Identification of proctolin in the central nervous system of the horseshoe crab, <i>Limulus polyphemus</i> . <i>Peptides</i> , 1990, 11, 205-211.	1.2	19
225	Tandem quadrupole fourier transform mass spectrometry. <i>Analytica Chimica Acta</i> , 1989, 225, 1-10.	2.6	16
226	Affinity Labeling, Molecular Cloning, and Comparative Amino Acid Sequence Analyses of Sex Steroid-Binding Protein of Plasma.. <i>Annals of the New York Academy of Sciences</i> , 1988, 538, 10-24.	1.8	29