Gregg Siegal

List of Publications by Year
in descending order

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24 papers	1,314 citations	623734 14 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	1740 citing authors

#	Article	IF	Citations
1	Perspectives on NMR in drug discovery: a technique comes of age. Nature Reviews Drug Discovery, 2008, 7, 738-745.	46.4	373
2	Integration of fragment screening and library design. Drug Discovery Today, 2007, 12, 1032-1039.	6.4	143
3	TINS, Target Immobilized NMR Screening: An Efficient and Sensitive Method for Ligand Discovery. Chemistry and Biology, 2005, 12, 207-216.	6.0	133
4	ATP-induced conformational changes of the nucleotide-binding domain of Na,K-ATPase. Nature Structural and Molecular Biology, 2003, 10, 468-474.	8.2	97
5	Small-Molecule Binding Sites on Proteins Established by Paramagnetic NMR Spectroscopy. Journal of the American Chemical Society, 2013, 135, 5859-5868.	13.7	87
6	Complementarity between in Silico and Biophysical Screening Approaches in Fragment-Based Lead Discovery against the A2A Adenosine Receptor. Journal of Chemical Information and Modeling, 2013, 53, 2701-2714.	5.4	65
7	Increasing Chemical Space Coverage by Combining Empirical and Computational Fragment Screens. ACS Chemical Biology, 2014, 9, 1528-1535.	3.4	58
8	Structure of the DNA-bound BRCA1 C-terminal Region from Human Replication Factor C p140 and Model of the Protein-DNA Complex. Journal of Biological Chemistry, 2010, 285, 10087-10097.	3.4	56
9	Automatic Assignment of Methyl-NMR Spectra of Supramolecular Machines Using Graph Theory. Journal of the American Chemical Society, 2017, 139, 9523-9533.	13.7	48
10	Cells, drugs and NMR. Journal of Magnetic Resonance, 2019, 306, 202-212.	2.1	45
11	Target Immobilization as a Strategy for NMR-Based Fragment Screening: Comparison of TINS, STD, and SPR for Fragment Hit Identification. Journal of Biomolecular Screening, 2010, 15, 978-989.	2.6	41
12	Paramagnetic NMR studies of blue and purple copper proteins. , 1999, 5, S19-S32.		40
13	Structure-Based Identification of Inhibitory Fragments Targeting the p300/CBP-Associated Factor Bromodomain. Journal of Medicinal Chemistry, 2016, 59, 1648-1653.	6.4	39
14	Rapid Proteinâ€“Ligand Costructures from Sparse NOE Data. Journal of Medicinal Chemistry, 2012, 55, 10786-10790.	6.4	21
15	The surprisingly flexible PTB domain. , 1999, 6, 7-10.		16
16	Target Immobilization and NMR Screening of Fragments in Early Drug Discovery. Current Topics in Medicinal Chemistry, 2009, 9, 1736-1745.	2.1	15
17	NMR in target driven drug discovery: why not?. Journal of Biomolecular NMR, 2020, 74, 521-529.	2.8	12
18	NMR in structure-based drug design. Essays in Biochemistry, 2017, 61, 485-493.	4.7	11

#	Article	IF	Citations
19	EPHA4 is overexpressed but not functionally active in SÃ©zary syndrome. Oncotarget, 2015, 6, 31868-31876.	1.8	6
20	Interrogating the Essential Bacterial Cell Division Protein FtsQ with Fragments Using Target Immobilized NMR Screening (TINS). International Journal of Molecular Sciences, 2019, 20, 3684.	4.1	3
21	Fragment-derived modulators of an industrial Î²-glucosidase. Biochemical Journal, 2020, 477, 4383-4395.	3.7	2
22	1H, 15N and 13C chemical shift assignment of the guanine nucleotide exchange domain of human Elongation Factor-one beta. Journal of Biomolecular NMR, 1998, 12, 467-468.	2.8	1
23	Target-Immobilized NMR Screening: Validation and Extension to Membrane Proteins. , 0, , 135-157.		1
24	1H, 13C, 15N backbone and IVL methyl group resonance assignment of the fungal Î²-glucosidase from Trichoderma reesei. Biomolecular NMR Assignments, 2020, 14, 265-268.	0.8	1