

Amanda E Hargrove

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,352
citations

236925

25
h-index

223800

46
g-index

59
all docs

59
docs citations

59
times ranked

2619
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Receptors for the Recognition of Phosphorylated Molecules. <i>Chemical Reviews</i> , 2011, 111, 6603-6782.	47.7	571
2	Targeting RNA with small molecules: from fundamental principles towards the clinic. <i>Chemical Society Reviews</i> , 2021, 50, 2224-2243.	38.1	118
3	Algorithms for the determination of binding constants and enantiomeric excess in complex host-guest equilibria using optical measurements. <i>New Journal of Chemistry</i> , 2010, 34, 348.	2.8	110
4	Targeting RNA in mammalian systems with small molecules. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1477.	6.4	108
5	Probing Intramolecular B ^N Interactions in <i>ortho</i> -Aminomethyl Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2009, 74, 4055-4060.	3.2	95
6	Discovery of Key Physicochemical, Structural, and Spatial Properties of RNA-Targeted Bioactive Ligands. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13498-13502.	13.8	93
7	Discovery of Small Molecule Ligands for MALAT1 by Tuning an RNA-Binding Scaffold. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13242-13247.	13.8	85
8	Amiloride as a new RNA-binding scaffold with activity against HIV-1 TAR. <i>MedChemComm</i> , 2017, 8, 1022-1036.	3.4	60
9	R-BIND: An Interactive Database for Exploring and Developing RNA-Targeted Chemical Probes. <i>ACS Chemical Biology</i> , 2019, 14, 2691-2700.	3.4	57
10	Insights into the development of chemical probes for RNA. <i>Nucleic Acids Research</i> , 2018, 46, 8025-8037.	14.5	55
11	IRES-targeting small molecule inhibits enterovirus 71 replication via allosteric stabilization of a ternary complex. <i>Nature Communications</i> , 2020, 11, 4775.	12.8	54
12	KDM1 class flavin-dependent protein lysine demethylases. <i>Biopolymers</i> , 2015, 104, 213-246.	2.4	53
13	Activity of a Pyrimidine Polyamide Targeted to the Estrogen Response Element. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 675-684.	4.1	48
14	Biochemical Methods To Investigate lncRNA and the Influence of lncRNA:Protein Complexes on Chromatin. <i>Biochemistry</i> , 2016, 55, 1615-1630.	2.5	48
15	Fluorescent indicator displacement assays to identify and characterize small molecule interactions with RNA. <i>Methods</i> , 2019, 167, 3-14.	3.8	48
16	Small Molecule-Based Pattern Recognition To Classify RNA Structure. <i>Journal of the American Chemical Society</i> , 2017, 139, 409-416.	13.7	47
17	Boronic Acid Porphyrin Receptor for Ginsenoside Sensing. <i>Organic Letters</i> , 2010, 12, 4804-4807.	4.6	44
18	Characterization and Solubilization of Pyrrole-Imidazole Polyamide Aggregates. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5425-5432.	6.4	43

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19	Regulation of MALAT1 triple helix stability and in vitro degradation by diphenylfurans. <i>Nucleic Acids Research</i> , 2020, 48, 7653-7664.	14.5	43
20	Gene expression changes in a tumor xenograft by a pyrrole-imidazole polyamide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16041-16045.	7.1	42
21	Small moleculeâ€“RNA targeting: starting with the fundamentals. <i>Chemical Communications</i> , 2020, 56, 14744-14756.	4.1	35
22	Frameworks for targeting RNA with small molecules. <i>Journal of Biological Chemistry</i> , 2021, 296, 100191.	3.4	35
23	Systematic analysis of the interactions driving small moleculeâ€“RNA recognition. <i>RSC Medicinal Chemistry</i> , 2020, 11, 802-813.	3.9	33
24	Fluorescent peptide displacement as a general assay for screening small molecule libraries against RNA. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1778-1786.	2.8	32
25	Amilorides inhibit SARS-CoV-2 replication in vitro by targeting RNA structures. <i>Science Advances</i> , 2021, 7, eabl6096.	10.3	31
26	Understanding the Contributions of Conformational Changes, Thermodynamics, and Kinetics of RNAâ€“Small Molecule Interactions. <i>ACS Chemical Biology</i> , 2019, 14, 824-838.	3.4	29
27	Sequencing and characterization of oligosaccharides using infrared multiphoton dissociation and boronic acid derivatization in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 2094-2106.	2.8	28
28	Small molecule targeting of biologically relevant RNA tertiary and quaternary structures. <i>Cell Chemical Biology</i> , 2021, 28, 594-609.	5.2	28
29	Pharmacokinetics of Py-Im Polyamides Depend on Architecture: Cyclic versus Linear. <i>Journal of the American Chemical Society</i> , 2012, 134, 7995-7999.	13.7	27
30	Tumor Repression of VCaP Xenografts by a Pyrrole-Imidazole Polyamide. <i>PLoS ONE</i> , 2015, 10, e0143161.	2.5	24
31	Quantitative Structureâ€“Activity Relationship (QSAR) Study Predicts Small-Molecule Binding to RNA Structure. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7262-7277.	6.4	21
32	Chemical Functionalization of Oligodeoxynucleotides with Multiple Boronic Acids for the Polyvalent Binding of Saccharides. <i>Bioconjugate Chemistry</i> , 2011, 22, 388-396.	3.6	20
33	Driving factors in amiloride recognition of HIV RNA targets. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9313-9320.	2.8	20
34	R-BIND 2.0: An Updated Database of Bioactive RNA-Targeting Small Molecules and Associated RNA Secondary Structures. <i>ACS Chemical Biology</i> , 2022, 17, 1556-1566.	3.4	20
35	Visualizing RNA Conformational Changes via Pattern Recognition of RNA by Small Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 5692-5698.	13.7	18
36	Porphyrenediynes: synthesis and cyclization of meso-enediynylporphyrins. <i>Tetrahedron Letters</i> , 2007, 48, 725-728.	1.4	17

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37	RNA Structural Differentiation: Opportunities with Pattern Recognition. <i>Biochemistry</i> , 2019, 58, 199-213.	2.5	17
38	Sensing the impact of environment on small molecule differentiation of RNA sequences. <i>Chemical Communications</i> , 2017, 53, 13363-13366.	4.1	16
39	Demonstration that Small Molecules can Bind and Stabilize Low-abundance Short-lived RNA Excited Conformational States. <i>Journal of Molecular Biology</i> , 2020, 432, 1297-1304.	4.2	16
40	Noncoding RNAs: biology and applications—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, 1506, 118-141.	3.8	13
41	Template-guided selection of RNA ligands using imine-based dynamic combinatorial chemistry. <i>Chemical Communications</i> , 2020, 56, 3555-3558.	4.1	11
42	Discovery of Key Physicochemical, Structural, and Spatial Properties of RNA-Targeted Bioactive Ligands. <i>Angewandte Chemie</i> , 2017, 129, 13683-13687.	2.0	10
43	Chemical and electrochemical oxidation of N-alkyl cyclo[n]pyrroles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006, 10, 1329-1336.	0.8	8
44	Discovery of Small Molecule Ligands for MALAT1 by Tuning an RNA-Binding Scaffold. <i>Angewandte Chemie</i> , 2018, 130, 13426-13431.	2.0	6
45	Chapter 7. Synthetic Receptors for Oligonucleotides and Nucleic Acids. <i>Monographs in Supramolecular Chemistry</i> , 2015, , 253-325.	0.2	5
46	Differentiation and classification of RNA motifs using small molecule-based pattern recognition. <i>Methods in Enzymology</i> , 2019, 623, 101-130.	1.0	3
47	Preface. <i>Methods in Enzymology</i> , 2019, 623, xv-xvii.	1.0	0
48	The next 20 years of <i>Medicinal Research Reviews</i> . <i>Medicinal Research Reviews</i> , 2020, 40, 7-8.	10.5	0
49	Small Molecule Differentiation of RNA Structures Using Pattern Recognition. <i>FASEB Journal</i> , 2018, 32, 121.1.	0.5	0
50	RT-qPCR as a screening platform for mutational and small molecule impacts on structural stability of RNA tertiary structures. <i>RSC Chemical Biology</i> , 2022, 3, 905-915.	4.1	0