Andrea Townsend-Nicholson

List of Publications by Year
in descending order

38 papers	1,547 citations	394421 19 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	1966 citing authors

#	Article	IF	Citations
1	Cell Electrospinning:Â a Unique Biotechnique for Encapsulating Living Organisms for Generating Active Biological Microthreads/Scaffolds. Biomacromolecules, 2006, 7, 3364-3369.	5.4	430
2	Metabotropic receptors for ATP and UTP: exploring the correspondence between native and recombinant nucleotide receptors. Trends in Pharmacological Sciences, 1998, 19, 506-514.	8.7	142
3	Molecular cloning and characterisation of a human brain A1 adenosine receptor cDNA. Molecular Brain Research, 1992, 16, 365-370.	2.3	92
4	Heteromultimeric P2X1/2 Receptors Show a Novel Sensitivity to Extracellular pH. Journal of Pharmacology and Experimental Therapeutics, 2002, 300, 673-680.	2.5	78
5	Molecular cloning, functional characterization and possible cooperativity between the murine P2X4 and P2X4a receptors. Molecular Brain Research, 1999, 64, 246-254.	2.3	63
6	P2 receptors in the thymus: expression of P2X and P2Y receptors in adult rats, an immunohistochemical and in situ hybridisation study. Cell and Tissue Research, 2000, 300, 295-306.	2.9	52
7	Thermodynamics of full agonist, partial agonist, and antagonist binding to wild-type and mutant adenosine A1 receptors. Biochemical Pharmacology, 1998, 56, 1437-1445.	4.4	50
8	Synergy between the inositol phosphate responses to transfected human adenosine A₁â€receptors and constitutive P₂â€purinoceptors in CHOâ€K1 cells. British Journal of Pharmacology, 1995, 115, 1415-1424.	5.4	49
9	A Functional Screening of Adenosine Analogues at the Adenosine A2BReceptor: A Search for Potent Agonists. Nucleosides & Nucleotides, 1998, 17, 969-985.	0.5	48
10	Novel G protein-coupled receptors: a gene family of putative human olfactory receptor sequences. Molecular Brain Research, 1992, 13, 159-163.	2.3	45
11	Involvement of P2Y1 and P2Y11 Purinoceptors in Parasympathetic Inhibition of Colonic Smooth Muscle. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 1055-1063.	2.5	44
12	Rapid and accurate assessment of GPCRâ€“ligand interactions Using the fragment molecular orbitalâ€based densityâ€functional tightâ€binding method. Journal of Computational Chemistry, 2017, 38, 1987-1990.	3.3	44
13	Characterization and Chromosomal Localization of the Human A2a Adenosine Receptor Gene: ADORA2A. Biochemical and Biophysical Research Communications, 1996, 223, 461-467.	2.1	39
14	Ensemble-Based Steered Molecular Dynamics Predicts Relative Residence Time of A_{2A} Receptor Binders. Journal of Chemical Theory and Computation, 2019, 15, 3316-3330.	5.3	39
15	Cloning, characterisation and chromosomal assignment of the human adenosine A3 receptor (ADORA3) gene. Neuroscience Research, 1997, 29, 73-79.	1.9	37
16	Antagonism of ATP responses at P2X receptor subtypes by the pH indicator dye, Phenol red. British Journal of Pharmacology, 2005, 145, 313-322.	5.4	29
17	An Ensemble-Based Protocol for the Computational Prediction of Helixâ€“Helix Interactions in G Protein-Coupled Receptors using Coarse-Grained Molecular Dynamics. Journal of Chemical Theory and Computation, 2017, 13, 2254-2270.	5.3	27
18	Localization of the adenosine A1 receptor subtype gene (ADORA1) to chromosome 1q32.1. Genomics, 1995, 26, 423-425.	2.9	25

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19	Recombinant P2Y receptors: the UCL experience. Journal of the Autonomic Nervous System, 2000, 81, 164-170.	1.9	25
20	The biological impact of blood pressure-associated genetic variants in the natriuretic peptide receptor C gene on human vascular smooth muscle. Human Molecular Genetics, 2018, 27, 199-210.	2.9	21
21	Molecular characterisation of post-bio-electrosprayed human brain astrocytoma cells. Analyst, The, 2010, 135, 2600.	3.5	19
22	Computational Methods Used in Hit-to-Lead and Lead Optimization Stages of Structure-Based Drug Discovery. Methods in Molecular Biology, 2018, 1705, 375-394.	0.9	18
23	Localization of the adenosine A2b receptor subtype gene (ADORA2B) to chromosome 17p11.2â€“p12 by FISH and PCR screening of somatic cell hybrids. Genomics, 1995, 25, 605-607.	2.9	17
24	Chicken DT40 cells stably transfected with the rat P2X7 receptor ion channel: a system suitable for the study of purine receptor-mediated cell death. Biochemical Pharmacology, 2003, 66, 415-424.	4.4	17
25	Computational prediction of GPCR oligomerization. Current Opinion in Structural Biology, 2019, 55, 178-184.	5.7	14
26	A novel nucleotide receptor in Xenopus activates the cAMP second messenger pathway. FEBS Letters, 2007, 581, 5332-5336.	2.8	13
27	An Immunological Approach to Increase the Brainâ€™s Resilience to Insults. ISRN Neuroscience, 2014, 2014, 1-10.	1.5	13
28	Characterising GPCRâ€“ligand interactions using a fragment molecular orbital-based approach. Current Opinion in Structural Biology, 2019, 55, 85-92.	5.7	13
29	Characterizing Interhelical Interactions of G-Protein Coupled Receptors with the Fragment Molecular Orbital Method. Journal of Chemical Theory and Computation, 2020, 16, 2814-2824.	5.3	13
30	Hit-to-lead and lead optimization binding free energy calculations for G protein-coupled receptors. Interface Focus, 2020, 10, 20190128.	3.0	11
31	Characterizing Protein-Protein Interactions with the Fragment Molecular Orbital Method. Methods in Molecular Biology, 2020, 2114, 187-205.	0.9	7
32	Educating and engaging new communities of practice with high performance computing through the integration of teaching and research. Interface Focus, 2020, 10, 20200003.	3.0	4
33	Predicting Residence Time of GPCR Ligands with Machine Learning. Methods in Molecular Biology, 2022, 2390, 191-205.	0.9	4
34	Diimidazo[1,2-c:4â€²,5â€²-e]pyrimidines: Adenosine agonist activity demonstrated by microphysiometry. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 691-694.	2.2	2
35	Synergistic Use of GPCR Modeling and SDM Experiments to Understand Ligand Binding. Methods in Molecular Biology, 2018, 1705, 335-343.	0.9	1
36	Characterizing Rhodopsin-Arrestin Interactions with the Fragment Molecular Orbital (FMO) Method. Methods in Molecular Biology, 2020, 2114, 177-186.	0.9	1

#	Article	IF	Citations
37	Analyzing GPCR-Ligand Interactions with the Fragment Molecular Orbital (FMO) Method. Methods in Molecular Biology, 2020, 2114, 163-175.	0.9	1
38	Pharmaceutical Industryâ€"Academia Cooperation. , 2021, , 307-322.		0