Ian D Tomlinson

List of Publications by Year
in descending order

20	1,191	759233 12	839539 18
papers	citations	h-index	g-index

20	20	20	1593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and characterization of discrete mass polyether-based polyurethane oligomers. Polymer, 2022, 254, 125069.	3.8	2
2	A Novel Biotinylated Homotryptamine Derivative for Quantum Dot Imaging of Serotonin Transporter in Live Cells. Frontiers in Cellular Neuroscience, 2021, 15, 667044.	3.7	1
3	Ligand-conjugated quantum dots for fast sub-diffraction protein tracking in acute brain slices. Biomaterials Science, 2020, 8, 837-845.	5.4	15
4	Mass spectrometry and ion mobility study of poly(ethylene glycol)â€based polyurethane oligomers. Rapid Communications in Mass Spectrometry, 2020, 34, e8662.	1.5	5
5	Biotinylated-spiperone ligands for quantum dot labeling of the dopamine D2 receptor in live cell cultures. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 959-964.	2.2	9
6	Quantum dots reveal heterogeneous membrane diffusivity and dynamic surface density polarization of dopamine transporter. PLoS ONE, 2019, 14, e0225339.	2.5	12
7	Single Quantum Dot Imaging Reveals PKCÎ²-Dependent Alterations in Membrane Diffusion and Clustering of an Attention-Deficit Hyperactivity Disorder/Autism/Bipolar Disorder-Associated Dopamine Transporter Variant. ACS Chemical Neuroscience, 2019, 10, 460-471.	3.5	26
8	Single quantum dot tracking illuminates neuroscience at the nanoscale. Chemical Physics Letters, 2018, 706, 741-752.	2.6	26
9	Single-Quantum-Dot Tracking Reveals Altered Membrane Dynamics of an Attention-Deficit/Hyperactivity-Disorder-Derived Dopamine Transporter Coding Variant. ACS Chemical Neuroscience, 2015, 6, 526-534.	3.5	37
10	Single Molecule Analysis of Serotonin Transporter Regulation Using Antagonist-Conjugated Quantum Dots Reveals Restricted, p38 MAPK-Dependent Mobilization Underlying Uptake Activation. Journal of Neuroscience, 2012, 32, 8919-8929.	3.6	75
11	Visualization of the Cocaine-Sensitive Dopamine Transporter with Ligand-Conjugated Quantum Dots. ACS Chemical Neuroscience, 2011, 2, 370-378.	3.5	40
12	Biocompatible Quantum Dots for Biological Applications. Chemistry and Biology, 2011, 18, 10-24.	6.0	476
13	Biotin tethered homotryptamine derivatives: High affinity probes of the human serotonin transporter (hSERT). Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1678-1682.	2.2	15
14	Imaging<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="E1"><mml:mrow><mml:msub><mml:mrow><mml:mtext>GABA</mml:mtext></mml:mrow><mml:mtext>c</mml:mtext></mml:msub></mml:mrow></mml:math> with Ligand-Conjugated Quantum Dots. Journal of Biomedicine and Biotechnology, 2007, 2007, 1-9.	3.0	6
15	Synthesis and characterization of a pegylated derivative of 3-(1,2,3,6-tetrahydro-pyridin-4yl)-1H-indole (IDT199): A high affinity SERT ligand for conjugation to quantum dots. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5656-5660.	2.2	17
16	High affinity inhibitors of the dopamine transporter (DAT): Novel biotinylated ligands for conjugation to quantum dots. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4664-4667.	2.2	23
17	Universal polyethylene glycol linkers for attaching receptor ligands to quantum dots. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 6262-6266.	2.2	11
18	Inhibitors of the serotonin transporter protein (SERT): The design and synthesis of biotinylated derivatives of 3-(1,2,3,6-tetrahydro-pyridin-4-yl)-1H-indoles. High-affinity serotonergic ligands for conjugation with quantum dots. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 5307-5310.	2.2	26

#	Article	IF	Citations
19	Peptide-Conjugated Quantum Dots: Imaging the Angiotensin Type 1 Receptor in Living Cells. , 2005, 303, 051-060.		20
20	Targeting Cell Surface Receptors with Ligand-Conjugated Nanocrystals. Journal of the American Chemical Society, 2002, 124, 4586-4594.	13.7	349