

# Ian D Tomlinson

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,191  
citations

759233

12  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocompatible Quantum Dots for Biological Applications. <i>Chemistry and Biology</i> , 2011, 18, 10-24.	6.0	476
2	Targeting Cell Surface Receptors with Ligand-Conjugated Nanocrystals. <i>Journal of the American Chemical Society</i> , 2002, 124, 4586-4594.	13.7	349
3	Single Molecule Analysis of Serotonin Transporter Regulation Using Antagonist-Conjugated Quantum Dots Reveals Restricted, p38 MAPK-Dependent Mobilization Underlying Uptake Activation. <i>Journal of Neuroscience</i> , 2012, 32, 8919-8929.	3.6	75
4	Visualization of the Cocaine-Sensitive Dopamine Transporter with Ligand-Conjugated Quantum Dots. <i>ACS Chemical Neuroscience</i> , 2011, 2, 370-378.	3.5	40
5	Single-Quantum-Dot Tracking Reveals Altered Membrane Dynamics of an Attention-Deficit/Hyperactivity-Disorder-Derived Dopamine Transporter Coding Variant. <i>ACS Chemical Neuroscience</i> , 2015, 6, 526-534.	3.5	37
6	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5307-5310.	2.2	26
7	Single quantum dot tracking illuminates neuroscience at the nanoscale. <i>Chemical Physics Letters</i> , 2018, 706, 741-752.	2.6	26
8	Single Quantum Dot Imaging Reveals PKC $\delta$ -Dependent Alterations in Membrane Diffusion and Clustering of an Attention-Deficit Hyperactivity Disorder/Autism/Bipolar Disorder-Associated Dopamine Transporter Variant. <i>ACS Chemical Neuroscience</i> , 2019, 10, 460-471.	3.5	26
9	High affinity inhibitors of the dopamine transporter (DAT): Novel biotinylated ligands for conjugation to quantum dots. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4664-4667.	2.2	23
10	Peptide-Conjugated Quantum Dots: Imaging the Angiotensin Type 1 Receptor in Living Cells. , 2005, 303, 051-060.		20
11	Synthesis and characterization of a pegylated derivative of 3-(1,2,3,6-tetrahydro-pyridin-4-yl)-1H-indole (IDT199): A high affinity SERT ligand for conjugation to quantum dots. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5656-5660.	2.2	17
12	Biotin tethered homotryptamine derivatives: High affinity probes of the human serotonin transporter (hSERT). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1678-1682.	2.2	15
13	Ligand-conjugated quantum dots for fast sub-diffraction protein tracking in acute brain slices. <i>Biomaterials Science</i> , 2020, 8, 837-845.	5.4	15
14	Quantum dots reveal heterogeneous membrane diffusivity and dynamic surface density polarization of dopamine transporter. <i>PLoS ONE</i> , 2019, 14, e0225339.	2.5	12
15	Universal polyethylene glycol linkers for attaching receptor ligands to quantum dots. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 6262-6266.	2.2	11
16	Biotinylated-spiperone ligands for quantum dot labeling of the dopamine D2 receptor in live cell cultures. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 959-964.	2.2	9
17	Imaging $\gamma$ -aminobutyric acid (GABA) with Ligand-Conjugated Quantum Dots. <i>Journal of Biomedicine and Biotechnology</i> , 2007, 2007, 1-9.		
18	Mass spectrometry and ion mobility study of poly(ethylene glycol)-based polyurethane oligomers. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8662.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Preparation and characterization of discrete mass polyether-based polyurethane oligomers. <i>Polymer</i> , 2022, 254, 125069.	3.8	2
20	A Novel Biotinylated Homotryptamine Derivative for Quantum Dot Imaging of Serotonin Transporter in Live Cells. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 667044.	3.7	1