

# Laura E Kilpatrick

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

867  
citations

687363

13  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transactivation of G protein-coupled receptors (GPCRs) and receptor tyrosine kinases (RTKs): Recent insights using luminescence and fluorescence technologies. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 16, 102-112.	1.4	38
2	Detection of genome-edited and endogenously expressed G protein-coupled receptors. <i>FEBS Journal</i> , 2021, 288, 2585-2601.	4.7	10
3	Efficient G protein coupling is not required for agonist-mediated internalization and membrane reorganization of the adenosine A <sub>3</sub> receptor. <i>FASEB Journal</i> , 2021, 35, e21211.	0.5	3
4	Use of NanoBIT and NanoBRET to monitor fluorescent VEGF-A binding kinetics to VEGFR2/NRP1 heteromeric complexes in living cells. <i>British Journal of Pharmacology</i> , 2021, 178, 2393-2411.	5.4	13
5	The use of fluorescence correlation spectroscopy to characterise the molecular mobility of G protein-coupled receptors in membrane microdomains: an update. <i>Biochemical Society Transactions</i> , 2021, 49, 1547-1554.	3.4	4
6	Subtype-Selective Fluorescent Ligands as Pharmacological Research Tools for the Human Adenosine A <sub>2A</sub> Receptor. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2656-2672.	6.4	25
7	Comparison of the ligand-binding properties of fluorescent VEGF-A isoforms to VEGF receptor 2 in living cells and membrane preparations using NanoBRET. <i>British Journal of Pharmacology</i> , 2019, 176, 3220-3235.	5.4	11
8	Complex Formation between VEGFR2 and the $\beta$ 2-Adrenoceptor. <i>Cell Chemical Biology</i> , 2019, 26, 830-841.e9.	5.2	27
9	Binding kinetics of ligands acting at GPCRs. <i>Molecular and Cellular Endocrinology</i> , 2019, 485, 9-19.	3.2	79
10	Studying GPCR Pharmacology in Membrane Microdomains: Fluorescence Correlation Spectroscopy Comes of Age. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 158-174.	8.7	54
11	Synthesis of novel (benzimidazolyl)isoquinolinols and evaluation as adenosine A <sub>1</sub> receptor tools. <i>RSC Advances</i> , 2018, 8, 16362-16369.	3.6	3
12	NanoBRET Approaches to Study Ligand Binding to GPCRs and RTKs. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 136-147.	8.7	81
13	Real-Time Ligand Binding of Fluorescent VEGF-A Isoforms that Discriminate between VEGFR2 and NRP1 in Living Cells. <i>Cell Chemical Biology</i> , 2018, 25, 1208-1218.e5.	5.2	32
14	Molecular Pharmacology of VEGF-A Isoforms: Binding and Signalling at VEGFR2. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1264.	4.1	293
15	Real-time analysis of the binding of fluorescent VEGF 165 a to VEGFR2 in living cells: Effect of receptor tyrosine kinase inhibitors and fate of internalized agonist-receptor complexes. <i>Biochemical Pharmacology</i> , 2017, 136, 62-75.	4.4	46
16	The use of fluorescence correlation spectroscopy to characterize the molecular mobility of fluorescently labelled G protein-coupled receptors. <i>Biochemical Society Transactions</i> , 2016, 44, 624-629.	3.4	14
17	Probing the pharmacology of G protein-coupled receptors with fluorescent ligands. <i>Neuropharmacology</i> , 2015, 98, 48-57.	4.1	65
18	A G Protein-Coupled Receptor Dimer Imaging Assay Reveals Selectively Modified Pharmacology of Neuropeptide Y <sub>1</sub> /Y <sub>5</sub> Receptor Heterodimers. <i>Molecular Pharmacology</i> , 2015, 87, 718-732.	2.3	20

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19	Kinetic analysis of antagonist-occupied adenosine <sup>3</sup> receptors within membrane microdomains of individual cells provides evidence of receptor dimerization and allosterism. FASEB Journal, 2014, 28, 4211-4222.	0.5	49