

John C Dawson

List of Publications by Year in descending order

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33
papers

2,030
citations

394421

19
h-index

395702

33
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39
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docs citations

39
times ranked

3225
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular palladium-catalysed dealkylation of 5-fluoro-1-propargyl-uracil as a bioorthogonally activated prodrug approach. <i>Nature Communications</i> , 2014, 5, 3277.	12.8	264
2	The Actin-Bundling Protein Fascin Stabilizes Actin in Invadopodia and Potentiates Protrusive Invasion. <i>Current Biology</i> , 2010, 20, 339-345.	3.9	262
3	Bar domain proteins: a role in tubulation, scission and actin assembly in clathrin-mediated endocytosis. <i>Trends in Cell Biology</i> , 2006, 16, 493-498.	7.9	215
4	Development and Bioorthogonal Activation of Palladium-Labile Prodrugs of Gemcitabine. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5395-5404.	6.4	169
5	Bistability in the Rac1, PAK, and RhoA Signaling Network Drives Actin Cytoskeleton Dynamics and Cell Motility Switches. <i>Cell Systems</i> , 2016, 2, 38-48.	6.2	159
6	LIM kinases are required for invasive path generation by tumor and tumor-associated stromal cells. <i>Journal of Cell Biology</i> , 2010, 191, 169-185.	5.2	158
7	Targeting FAK in anticancer combination therapies. <i>Nature Reviews Cancer</i> , 2021, 21, 313-324.	28.4	154
8	Characterisation of IRTKS, a novel IRSp53/MIM family actin regulator with distinct filament bundling properties. <i>Journal of Cell Science</i> , 2007, 120, 1663-1672.	2.0	71
9	N-WASP Involvement in Dorsal Ruffle Formation in Mouse Embryonic Fibroblasts. <i>Molecular Biology of the Cell</i> , 2007, 18, 678-687.	2.1	66
10	Ovarian cancer cell lines derived from non-serous carcinomas migrate and invade more aggressively than those derived from high-grade serous carcinomas. <i>Scientific Reports</i> , 2019, 9, 5515.	3.3	57
11	Rapid Discovery and Structure-Activity Relationships of Pyrazolopyrimidines That Potently Suppress Breast Cancer Cell Growth via SRC Kinase Inhibition with Exceptional Selectivity over ABL Kinase. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4697-4710.	6.4	52
12	Lysophosphatidic acid induces process retraction in CG-4 line oligodendrocytes and oligodendrocyte precursor cells but not in differentiated oligodendrocytes. <i>Journal of Neurochemistry</i> , 2004, 87, 947-957.	3.9	47
13	Mtss1 Promotes Cell-Cell Junction Assembly and Stability through the Small GTPase Rac1. <i>PLoS ONE</i> , 2012, 7, e31141.	2.5	42
14	MISpheroid: a knowledgebase and transparency tool for minimum information in spheroid identity. <i>Nature Methods</i> , 2021, 18, 1294-1303.	19.0	38
15	High-content phenotypic and pathway profiling to advance drug discovery in diseases of unmet need. <i>Cell Chemical Biology</i> , 2021, 28, 338-355.	5.2	27
16	High content phenotypic screening identifies serotonin receptor modulators with selective activity upon breast cancer cell cycle and cytokine signaling pathways. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115209.	3.0	26
17	A fluorogenic probe for granzyme B enables in-biopsy evaluation and screening of response to anticancer immunotherapies. <i>Nature Communications</i> , 2022, 13, 2366.	12.8	26
18	Structure-Based Design, Synthesis, and Characterization of the First Irreversible Inhibitor of Focal Adhesion Kinase. <i>ACS Chemical Biology</i> , 2018, 13, 2067-2073.	3.4	24

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19	Quantitative phenotypic and pathway profiling guides rational drug combination strategies. <i>Frontiers in Pharmacology</i> , 2014, 5, 118.	3.5	22
20	N-alkynyl derivatives of 5-fluorouracil: susceptibility to palladium-mediated dealkylation and toxigenicity in cancer cell culture. <i>Frontiers in Chemistry</i> , 2014, 2, 56.	3.6	22
21	A Conformation Selective Mode of Inhibiting SRC Improves Drug Efficacy and Tolerability. <i>Cancer Research</i> , 2021, 81, 5438-5450.	0.9	20
22	Development of the Theta Comparative Cell Scoring Method to Quantify Diverse Phenotypic Responses Between Distinct Cell Types. <i>Assay and Drug Development Technologies</i> , 2016, 14, 395-406.	1.2	17
23	Kindlin-1 Promotes Pulmonary Breast Cancer Metastasis. <i>Cancer Research</i> , 2018, 78, 1484-1496.	0.9	17
24	Trichoplein binds β 1 and controls endothelial cell function by regulating autophagy. <i>EMBO Reports</i> , 2020, 21, e48192.	4.5	17
25	A Synergistic Anticancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemical "Genetic High-Content Phenotypic Screen. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 637-649.	4.1	16
26	Evaluation of Machine Learning Classifiers to Predict Compound Mechanism of Action When Transferred across Distinct Cell Lines. <i>SLAS Discovery</i> , 2019, 24, 224-233.	2.7	13
27	Pathway profiling of a novel SRC inhibitor, AZD0424, in combination with MEK inhibitors for cancer treatment. <i>Molecular Oncology</i> , 2022, 16, 1072-1090.	4.6	5
28	Development of a fluorescence-based cellular apoptosis reporter. <i>Methods and Applications in Fluorescence</i> , 2019, 7, 015001.	2.3	4
29	Drug Screening Platforms and RPPA. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1188, 203-226.	1.6	4
30	Characterisation of a nucleo-adhesome. <i>Nature Communications</i> , 2022, 13, .	12.8	4
31	High-Dimensional Profiling: The Theta Comparative Cell Scoring Method. <i>Methods in Molecular Biology</i> , 2018, 1787, 171-181.	0.9	3
32	Application of a High-Content Screening Assay Utilizing Primary Human Lung Fibroblasts to Identify Antifibrotic Drugs for Rapid Repurposing in COVID-19 Patients. <i>SLAS Discovery</i> , 2021, 26, 1091-1106.	2.7	3
33	A Novel High-Content Phenotypic Screen To Identify Inhibitors of Mitochondrial DNA Maintenance in Trypanosomes. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0198021.	3.2	1