

# Menghang Xia

## List of Publications by Citations

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169  
papers

7,175  
citations

44  
h-index

80  
g-index

181  
ext. papers

8,729  
ext. citations

6.5  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
169	High-throughput screening assays for the identification of chemical probes. <i>Nature Chemical Biology</i> , <b>2007</b> , 3, 466-79	11.7	478
168	Identification of small-molecule inhibitors of Zika virus infection and induced neural cell death via a drug repurposing screen. <i>Nature Medicine</i> , <b>2016</b> , 22, 1101-1107	50.5	458
167	Small Molecule Inhibitor of NRF2 Selectively Intervenes Therapeutic Resistance in KEAP1-Deficient NSCLC Tumors. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 3214-3225	4.9	239
166	Compound cytotoxicity profiling using quantitative high-throughput screening. <i>Environmental Health Perspectives</i> , <b>2008</b> , 116, 284-91	8.4	211
165	The future of toxicity testing: a focus on in vitro methods using a quantitative high-throughput screening platform. <i>Drug Discovery Today</i> , <b>2010</b> , 15, 997-1007	8.8	209
164	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18 In Vitro High-Throughput Screening Assays for the Estrogen Receptor. <i>Toxicological Sciences</i> , <b>2015</b> , 148, 137-54	4.4	201
163	5-hmC in the brain is abundant in synaptic genes and shows differences at the exon-intron boundary. <i>Nature Structural and Molecular Biology</i> , <b>2012</b> , 19, 1037-43	17.6	186
162	Identification of known drugs that act as inhibitors of NF-kappaB signaling and their mechanism of action. <i>Biochemical Pharmacology</i> , <b>2010</b> , 79, 1272-80	6	179
161	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , <b>2015</b> , 36 Suppl 1, S254-96	4.6	176
160	The Tox21 robotic platform for the assessment of environmental chemicals--from vision to reality. <i>Drug Discovery Today</i> , <b>2013</b> , 18, 716-23	8.8	169
159	Chemical genomics profiling of environmental chemical modulation of human nuclear receptors. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 1142-8	8.4	150
158	Mechanism-based testing strategy using in vitro approaches for identification of thyroid hormone disrupting chemicals. <i>Toxicology in Vitro</i> , <b>2013</b> , 27, 1320-46	3.6	143
157	Modelling the Tox21 10 K chemical profiles for in vivo toxicity prediction and mechanism characterization. <i>Nature Communications</i> , <b>2016</b> , 7, 10425	17.4	125
156	Editor's Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity on In Vitro Assay Activity Across a Diverse Chemical and Assay Space. <i>Toxicological Sciences</i> , <b>2016</b> , 152, 323-39	4.4	125
155	Bisphenol A affects androgen receptor function via multiple mechanisms. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 203, 556-64	5	124
154	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 8610-8620	20.1	119
153	Using in vitro high throughput screening assays to identify potential endocrine-disrupting chemicals. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 7-14	8.4	119

152	Development and Validation of a Computational Model for Androgen Receptor Activity. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 946-964	4	114
151	Profiling of the Tox21 10K compound library for agonists and antagonists of the estrogen receptor alpha signaling pathway. <i>Scientific Reports</i> , <b>2014</b> , 4, 5664	4.9	113
150	Existing drugs as broad-spectrum and potent inhibitors for Zika virus by targeting NS2B-NS3 interaction. <i>Cell Research</i> , <b>2017</b> , 27, 1046-1064	24.7	110
149	Profiling of the Tox21 chemical collection for mitochondrial function to identify compounds that acutely decrease mitochondrial membrane potential. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 49-56	8.4	107
148	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2013</b> , 30, 51-6	4.3	105
147	High-throughput genotoxicity assay identifies antioxidants as inducers of DNA damage response and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5423-8	11.5	85
146	Human cell toxicogenomic analysis linking reactive oxygen species to the toxicity of monohaloacetic acid drinking water disinfection byproducts. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12514-23	10.3	82
145	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. <i>Cell Discovery</i> , <b>2018</b> , 4, 31	22.3	81
144	Cardiac glycosides inhibit p53 synthesis by a mechanism relieved by Src or MAPK inhibition. <i>Cancer Research</i> , <b>2009</b> , 69, 6556-64	10.1	80
143	Mitochondrial Membrane Potential Assay. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1473, 17-22	1.4	79
142	Identification of clinically used drugs that activate pregnane X receptors. <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 151-9	4	74
141	A bioluminescent cytotoxicity assay for assessment of membrane integrity using a proteolytic biomarker. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 1099-106	3.6	74
140	Prediction of human population responses to toxic compounds by a collaborative competition. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 933-40	44.5	70
139	Paradigm shift in toxicity testing and modeling. <i>AAPS Journal</i> , <b>2012</b> , 14, 473-80	3.7	68
138	Population-based in vitro hazard and concentration-response assessment of chemicals: the 1000 genomes high-throughput screening study. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 458-66	8.4	64
137	Predictive endocrine testing in the 21st century using in vitro assays of estrogen receptor signaling responses. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8706-16	10.3	64
136	Systematic study of mitochondrial toxicity of environmental chemicals using quantitative high throughput screening. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1323-32	4	62
135	Application of a homogenous membrane potential assay to assess mitochondrial function. <i>Physiological Genomics</i> , <b>2012</b> , 44, 495-503	3.6	59

134	Characterization of diversity in toxicity mechanism using in vitro cytotoxicity assays in quantitative high throughput screening. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 659-67	4	59
133	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 1671-1682	8.4	59
132	Tox21 Challenge to Build Predictive Models of Nuclear Receptor and Stress Response Pathways as Mediated by Exposure to Environmental Chemicals and Drugs. <i>Frontiers in Environmental Science</i> , <b>2016</b> , 3,	4.8	59
131	A Data Analysis Pipeline Accounting for Artifacts in Tox21 Quantitative High-Throughput Screening Assays. <i>Journal of Biomolecular Screening</i> , <b>2015</b> , 20, 887-97		53
130	A new homogeneous high-throughput screening assay for profiling compound activity on the human ether-a-go-go-related gene channel. <i>Analytical Biochemistry</i> , <b>2009</b> , 394, 30-8	3.1	52
129	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 112-117	4.3	48
128	Identification of chemical compounds that induce HIF-1alpha activity. <i>Toxicological Sciences</i> , <b>2009</b> , 112, 153-63	4.4	47
127	Mechanism Profiling of Hepatotoxicity Caused by Oxidative Stress Using Antioxidant Response Element Reporter Gene Assay Models and Big Data. <i>Environmental Health Perspectives</i> , <b>2016</b> , 124, 634-41	8.4	46
126	Comprehensive Analyses and Prioritization of Tox21 10K Chemicals Affecting Mitochondrial Function by in-Depth Mechanistic Studies. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 077010	8.4	44
125	Erythrosin B is a potent and broad-spectrum orthosteric inhibitor of the flavivirus NS2B-NS3 protease. <i>Antiviral Research</i> , <b>2018</b> , 150, 217-225	10.8	43
124	Characterization of environmental chemicals with potential for DNA damage using isogenic DNA repair-deficient chicken DT40 cell lines. <i>Environmental and Molecular Mutagenesis</i> , <b>2011</b> , 52, 547-61	3.2	43
123	Identification of compounds that potentiate CREB signaling as possible enhancers of long-term memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2411-15	11.5	41
122	Alternative approaches for identifying acute systemic toxicity: Moving from research to regulatory testing. <i>Toxicology in Vitro</i> , <b>2017</b> , 41, 245-259	3.6	39
121	Cell-Based High-Throughput Screening for Aromatase Inhibitors in the Tox21 10K Library. <i>Toxicological Sciences</i> , <b>2015</b> , 147, 446-57	4.4	38
120	Characterization of three human cell line models for high-throughput neuronal cytotoxicity screening. <i>Journal of Applied Toxicology</i> , <b>2017</b> , 37, 167-180	4.1	37
119	Exploration and optimization of substituted triazolothiadiazines and triazolopyridazines as PDE4 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3686-92	2.9	37
118	Profiling environmental chemicals for activity in the antioxidant response element signaling pathway using a high throughput screening approach. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 1150-4	8.4	37
117	State-dependent inhibition of L-type calcium channels: cell-based assay in high-throughput format. <i>Analytical Biochemistry</i> , <b>2004</b> , 327, 74-81	3.1	36

116	Detection of phospholipidosis induction: a cell-based assay in high-throughput and high-content format. <i>Journal of Biomolecular Screening</i> , <b>2014</b> , 19, 66-76		35
115	Identification of novel activators of constitutive androstane receptor from FDA-approved drugs by integrated computational and biological approaches. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 489-501	4.5	35
114	Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model. <i>Toxicological Sciences</i> , <b>2012</b> , 126, 578-88	4.4	35
113	Limited Chemical Structural Diversity Found to Modulate Thyroid Hormone Receptor in the Tox21 Chemical Library. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 97009	8.4	33
112	Quantitative high-throughput profiling of environmental chemicals and drugs that modulate farnesoid X receptor. <i>Scientific Reports</i> , <b>2014</b> , 4, 6437	4.9	33
111	Weighted feature significance: a simple, interpretable model of compound toxicity based on the statistical enrichment of structural features. <i>Toxicological Sciences</i> , <b>2009</b> , 112, 385-93	4.4	31
110	The role of tumour necrosis factor- $\alpha$ and tumour necrosis factor receptor signalling in inflammation-associated systemic genotoxicity. <i>Mutagenesis</i> , <b>2012</b> , 27, 77-86	2.8	31
109	Quantitative high-throughput identification of drugs as modulators of human constitutive androstane receptor. <i>Scientific Reports</i> , <b>2015</b> , 5, 10405	4.9	30
108	A cell-based quantitative high-throughput image screening identified novel autophagy modulators. <i>Pharmacological Research</i> , <b>2016</b> , 110, 35-49	10.2	30
107	Identification of quaternary ammonium compounds as potent inhibitors of hERG potassium channels. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 252, 250-8	4.6	29
106	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: focus on the cancer hallmark of tumor angiogenesis. <i>Carcinogenesis</i> , <b>2015</b> , 36 Suppl 1, S184-202	4.6	28
105	Identification of repurposed small molecule drugs for chordoma therapy. <i>Cancer Biology and Therapy</i> , <b>2013</b> , 14, 638-47	4.6	27
104	Development and Application of Human Renal Proximal Tubule Epithelial Cells for Assessment of Compound Toxicity. <i>Current Chemical Genomics and Translational Medicine</i> , <b>2017</b> , 11, 19-30		27
103	Are hERG channel blockers also phospholipidosis inducers?. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 4587-90	2.9	26
102	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. <i>ACS Central Science</i> , <b>2018</b> , 4, 1727-1741	16.8	26
101	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 613-27	6.9	25
100	Review of high-content screening applications in toxicology. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 3387-3396	5.8	24
99	AroER tri-screen is a biologically relevant assay for endocrine disrupting chemicals modulating the activity of aromatase and/or the estrogen receptor. <i>Toxicological Sciences</i> , <b>2014</b> , 139, 198-209	4.4	24

98	The pilot phase of the NIH Chemical Genomics Center. <i>Current Topics in Medicinal Chemistry</i> , <b>2009</b> , 9, 1181-93	3	24
97	Assay Guidance Manual: Quantitative Biology and Pharmacology in Preclinical Drug Discovery. <i>Clinical and Translational Science</i> , <b>2018</b> , 11, 461-470	4.9	23
96	Identifying environmental chemicals as agonists of the androgen receptor by using a quantitative high-throughput screening platform. <i>Toxicology</i> , <b>2017</b> , 385, 48-58	4.4	22
95	Structure based model for the prediction of phospholipidosis induction potential of small molecules. <i>Journal of Chemical Information and Modeling</i> , <b>2012</b> , 52, 1798-805	6.1	22
94	Identification of small molecule compounds that inhibit the HIF-1 signaling pathway. <i>Molecular Cancer</i> , <b>2009</b> , 8, 117	42.1	22
93	Two High Throughput Screen Assays for Measurement of TNF- $\alpha$ in THP-1 Cells. <i>Current Chemical Genomics</i> , <b>2011</b> , 5, 21-9		22
92	Monohalogenated acetamide-induced cellular stress and genotoxicity are related to electrophilic softness and thiol/thiolate reactivity. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 58, 224-230	6.4	21
91	Identification of genotoxic compounds using isogenic DNA repair deficient DT40 cell lines on a quantitative high throughput screening platform. <i>Mutagenesis</i> , <b>2016</b> , 31, 69-81	2.8	21
90	Identification of Modulators That Activate the Constitutive Androstane Receptor From the Tox21 10K Compound Library. <i>Toxicological Sciences</i> , <b>2019</b> , 167, 282-292	4.4	20
89	Expanding biological space coverage enhances the prediction of drug adverse effects in human using in vitro activity profiles. <i>Scientific Reports</i> , <b>2018</b> , 8, 3783	4.9	19
88	Inhibition of morphine-induced cAMP overshoot: a cell-based assay model in a high-throughput format. <i>Cellular and Molecular Neurobiology</i> , <b>2011</b> , 31, 901-7	4.6	19
87	Identification of Estrogen-Related Receptor $\alpha$ Agonists in the Tox21 Compound Library. <i>Endocrinology</i> , <b>2018</b> , 159, 744-753	4.8	18
86	Prediction of Cytochrome P450 Profiles of Environmental Chemicals with QSAR Models Built from Drug-like Molecules. <i>Molecular Informatics</i> , <b>2012</b> , 31, 783-792	3.8	18
85	Assessment of compound hepatotoxicity using human plateable cryopreserved hepatocytes in a 1536-well-plate format. <i>Assay and Drug Development Technologies</i> , <b>2012</b> , 10, 78-87	2.1	18
84	Identification of thyroid hormone receptor active compounds using a quantitative high-throughput screening platform. <i>Current Chemical Genomics and Translational Medicine</i> , <b>2014</b> , 8, 36-46		18
83	Systems Modeling of Developmental Vascular Toxicity. <i>Current Opinion in Toxicology</i> , <b>2019</b> , 15, 55-63	4.4	17
82	Identification of HDAC Inhibitors Using a Cell-Based HDAC I/II Assay. <i>Journal of Biomolecular Screening</i> , <b>2016</b> , 21, 643-52		17
81	Development of Novel Cell Lines for High-Throughput Screening to Detect Estrogen-Related Receptor Alpha Modulators. <i>SLAS Discovery</i> , <b>2017</b> , 22, 720-731	3.4	16

80	Identification of novel PARP inhibitors using a cell-based TDP1 inhibitory assay in a quantitative high-throughput screening platform. <i>DNA Repair</i> , <b>2014</b> , 21, 177-82	4.3	16
79	Prediction of hERG Liability - Using SVM Classification, Bootstrapping and Jackknifing. <i>Molecular Informatics</i> , <b>2017</b> , 36, 1600126	3.8	15
78	Identifying Compounds with Genotoxicity Potential Using Tox21 High-Throughput Screening Assays. <i>Chemical Research in Toxicology</i> , <b>2019</b> , 32, 1384-1401	4	15
77	A novel chordoma xenograft allows in vivo drug testing and reveals the importance of NF-B signaling in chordoma biology. <i>PLoS ONE</i> , <b>2013</b> , 8, e79950	3.7	15
76	High-Throughput Screening to Predict Chemical-Assay Interference. <i>Scientific Reports</i> , <b>2020</b> , 10, 3986	4.9	14
75	Use of high-throughput enzyme-based assay with xenobiotic metabolic capability to evaluate the inhibition of acetylcholinesterase activity by organophosphorous pesticides. <i>Toxicology in Vitro</i> , <b>2019</b> , 56, 93-100	3.6	14
74	Assessment of the DNA damaging potential of environmental chemicals using a quantitative high-throughput screening approach to measure p53 activation. <i>Environmental and Molecular Mutagenesis</i> , <b>2017</b> , 58, 494-507	3.2	14
73	Biological activity-based modeling identifies antiviral leads against SARS-CoV-2. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 747-753	44.5	14
72	Evaluation of CYP3A4 inhibition and hepatotoxicity using DMSO-treated human hepatoma HuH-7 cells. <i>Cell Biology and Toxicology</i> , <b>2015</b> , 31, 221-30	7.4	13
71	Drug repurposing screen identifies lestaurtinib amplifies the ability of the poly (ADP-ribose) polymerase 1 inhibitor AG14361 to kill breast cancer associated gene-1 mutant and wild type breast cancer cells. <i>Breast Cancer Research</i> , <b>2014</b> , 16, R67	8.3	13
70	A quantitative high-throughput screen for modulators of IL-6 signaling: a model for interrogating biological networks using chemical libraries. <i>Molecular BioSystems</i> , <b>2009</b> , 5, 1039-50		13
69	Identification of approved and investigational drugs that inhibit hypoxia-inducible factor-1 signaling. <i>Oncotarget</i> , <b>2016</b> , 7, 8172-83	3.3	13
68	Why are most phospholipidosis inducers also hERG blockers?. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3885-3895	5.8	12
67	Mining of high throughput screening database reveals AP-1 and autophagy pathways as potential targets for COVID-19 therapeutics. <i>Scientific Reports</i> , <b>2021</b> , 11, 6725	4.9	12
66	Pyrazole-4-Carboxamide (YW2065): A Therapeutic Candidate for Colorectal Cancer via Dual Activities of Wnt/ $\beta$ Catenin Signaling Inhibition and AMP-Activated Protein Kinase (AMPK) Activation. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 11151-11164	8.3	11
65	In Silico Prediction of hPXR Activators Using Structure-Based Pharmacophore Modeling. <i>Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 1752-1759	3.9	10
64	Identification of Compounds That Inhibit Estrogen-Related Receptor Alpha Signaling Using High-Throughput Screening Assays. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
63	Two-Dimensional Cellular and Three-Dimensional Bio-Printed Skin Models to Screen Topical-Use Compounds for Irritation Potential. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 109	5.8	10

62	One-Step Seeding of Neural Stem Cells with Vitronectin-Supplemented Medium for High-Throughput Screening Assays. <i>Journal of Biomolecular Screening</i> , <b>2016</b> , 21, 1112-1124		10
61	A Novel Chemotherapeutic Agent to Treat Tumors with DNA Mismatch Repair Deficiencies. <i>Cancer Research</i> , <b>2016</b> , 76, 4183-91	10.1	10
60	Generation and characterization of a cell line with inducible expression of Ca(v)3.2 (T-type) channels. <i>Assay and Drug Development Technologies</i> , <b>2003</b> , 1, 637-45	2.1	10
59	Triazole-Based Inhibitors of the Wnt/ $\beta$ Catenin Signaling Pathway Improve Glucose and Lipid Metabolisms in Diet-Induced Obese Mice. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 727-741	8.3	10
58	Application of In Vitro Metabolism Activation in High-Throughput Screening. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
57	Predictive Models for Human Organ Toxicity Based on Bioactivity Data and Chemical Structure. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 731-741	4	9
56	Advances in high-throughput screening technology for toxicology. <i>International Journal of Risk Assessment and Management</i> , <b>2017</b> , 20, 109	0.9	9
55	Synthesis and evaluation of quinazolin-4-ones as hypoxia-inducible factor-1 $\alpha$ inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 5239-43	2.9	9
54	The Toxmatrix: Chemo-Genomic Profiling Identifies Interactions That Reveal Mechanisms of Toxicity. <i>Chemical Research in Toxicology</i> , <b>2018</b> , 31, 127-136	4	8
53	Identification of acetylcholinesterase inhibitors using homogenous cell-based assays in quantitative high-throughput screening platforms. <i>Biotechnology Journal</i> , <b>2017</b> , 12, 1600715	5.6	7
52	Identification of known drugs targeting the endoplasmic reticulum stress response. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 5343-51	4.4	7
51	Mechanism of HERG potassium channel inhibition by tetra-n-octylammonium bromide and benzethonium chloride. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 267, 155-66	4.6	7
50	A Cell-based beta-Lactamase Reporter Gene Assay for the CREB Signaling Pathway. <i>Current Chemical Genomics</i> , <b>2009</b> , 3, 7-12		7
49	Using Tox21 High-Throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements. <i>Applied in Vitro Toxicology</i> , <b>2019</b> , 5, 10-25	1.3	6
48	Detection of nanocarrier potentiation on drug induced phospholipidosis in cultured cells and primary hepatocyte spheroids by high content imaging and analysis. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 348, 54-66	4.6	6
47	Differential modulation of FXR activity by chlorophacinone and ivermectin analogs. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 313, 138-148	4.6	6
46	Identification of compounds that modulate retinol signaling using a cell-based qHTS assay. <i>Toxicology in Vitro</i> , <b>2016</b> , 32, 287-96	3.6	6
45	HTS-compatible beta-lactamase transcriptional reporter gene assay for interrogating the heat shock response pathway. <i>Current Chemical Genomics</i> , <b>2009</b> , 3, 1-6		6



44	Methylene blue is a potent and broad-spectrum inhibitor against Zika virus and. <i>Emerging Microbes and Infections</i> , <b>2020</b> , 9, 2404-2416	18.9	6
43	Profiling the Tox21 Chemical Collection for Acetylcholinesterase Inhibition. <i>Environmental Health Perspectives</i> , <b>2021</b> , 129, 47008	8.4	6
42	Human constitutive androstane receptor agonist DL5016: A novel sensitizer for cyclophosphamide-based chemotherapies. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 179, 84-99	6.8	5
41	DL5050, a Selective Agonist for the Human Constitutive Androstane Receptor. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 1039-1044	4.3	5
40	Cell-Based Assay for Identifying the Modulators of Antioxidant Response Element Signaling Pathway. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1473, 55-62	1.4	5
39	Quantitative High-Throughput Luciferase Screening in Identifying CAR Modulators. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1473, 33-42	1.4	5
38	High-content analysis of constitutive androstane receptor (CAR) translocation identifies mosapride citrate as a CAR agonist that represses gluconeogenesis. <i>Biochemical Pharmacology</i> , <b>2019</b> , 168, 224-236	6	5
37	A High-Throughput Screen Identifies 2,9-Diazaspiro[5.5]Undecanes as Inducers of the Endoplasmic Reticulum Stress Response with Cytotoxic Activity in 3D Glioma Cell Models. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161486	2.7	5
36	Systematic Identification of Molecular Targets and Pathways Related to Human Organ Level Toxicity. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 412-421	4	5
35	Omics-Based Platform for Studying Chemical Toxicity Using Stem Cells. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 579-589	5.6	4
34	Identification of Angiogenesis Inhibitors Using a Co-culture Cell Model in a High-Content and High-Throughput Screening Platform. <i>SLAS Technology</i> , <b>2018</b> , 23, 217-225	3	4
33	Determination of Histone H2AX Phosphorylation in DT40 Cells. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1473, 71-6	1.4	4
32	Performance of the BG1Luc ER TA method in a qHTS format. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2015</b> , 32, 287-96	4.3	4
31	Drug Repositioning for Noonan and LEOPARD Syndromes by Integrating Transcriptomics With a Structure-Based Approach. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 927	5.6	4
30	Pharmacological rescue in patient iPSC and mouse models with a rare DISC1 mutation. <i>Nature Communications</i> , <b>2021</b> , 12, 1398	17.4	4
29	Predictive Models to Identify Small Molecule Activators and Inhibitors of Opioid Receptors. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 2675-2685	6.1	4
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25	Resources for Developing Reliable and Reproducible Toxicological Test Methods. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1367-1369	4	3
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22	An Integrated Systems Biology Approach Identifies the Proteasome as A Critical Host Machinery for ZIKV and DENV Replication. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2021</b> , 19, 108-122	6.5	3
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18	High-Throughput and High-Content Micronucleus Assay in CHO-K1 Cells. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1473, 77-85	1.4	2
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14	High-Throughput Screening and Hazard Testing Prioritization <b>2020</b> , 75-86		2
13	Reply to Kojo: Mechanisms of antioxidant-induced DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E2029-E2029	11.5	1
12	A Universal and High-Throughput Proteomics Sample Preparation Platform. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8423-8431	7.8	1
11	AZD8055 enhances in vivo efficacy of afatinib in chordomas. <i>Journal of Pathology</i> , <b>2021</b> , 255, 72-83	9.4	1
10	Mitochondrial Membrane Potential Assay.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 11-19	1.4	1
9	Cell-Based Assays to Identify ERR and ERR/PGC Modulators.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 3-9	1.4	1

8	Identification of environmental chemicals that activate p53 signaling after in vitro metabolic activation.. <i>Archives of Toxicology</i> , <b>2022</b> , 1	5.8	1
7	A gene expression biomarker for predictive toxicology to identify chemical modulators of NF- $\kappa$ B.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0261854	3.7	0
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4	GFP-LC3 High-Content Assay for Screening Autophagy Modulators.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 83-89	1.4	
3	Cell-Based Assays to Identify Modulators of Nrf2/ARE Pathway.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 59-69	1.4	
2	Identifying CAR Modulators Utilizing a Reporter Gene Assay.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 29-38	1.4	
1	Cell-Based hERG Channel Inhibition Assay in High-Throughput Format.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 21-28	1.4	