Menghang Xia

List of Publications by Year in Descending Order

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	A gene expression biomarker for predictive toxicology to identify chemical modulators of NF-B.. *PLoS ONE*, **2022**, 17, e0261854	3.7	0
168	GFP-LC3 High-Content Assay for Screening Autophagy Modulators.. *Methods in Molecular Biology*, **2022**, 2474, 83-89	1.4	
167	Cell-Based Assays to Identify Modulators of Nrf2/ARE Pathway.. *Methods in Molecular Biology*, **2022**, 2474, 59-69	1.4	
166	Cell-Based Imaging Assay for Detection of Phospholipidosis.. *Methods in Molecular Biology*, **2022**, 2474, 73-82	1.4	0
165	Mitochondrial Membrane Potential Assay.. *Methods in Molecular Biology*, **2022**, 2474, 11-19	1.4	1
164	Identifying CAR Modulators Utilizing a Reporter Gene Assay.. *Methods in Molecular Biology*, **2022**, 2474, 29-38	1.4	
163	Cell-Based Assays to Identify ERR and ERR/PGC Modulators.. *Methods in Molecular Biology*, **2022**, 2474, 3-9	1.4	1
162	Acetylcholinesterase Inhibition Assays for High-Throughput Screening.. *Methods in Molecular Biology*, **2022**, 2474, 47-58	1.4	0
161	Cell-Based hERG Channel Inhibition Assay in High-Throughput Format.. *Methods in Molecular Biology*, **2022**, 2474, 21-28	1.4	
160	Identification of environmental chemicals that activate p53 signaling after in vitro metabolic activation.. *Archives of Toxicology*, **2022**, 1	5.8	1
159	Mining of high throughput screening database reveals AP-1 and autophagy pathways as potential targets for COVID-19 therapeutics. *Scientific Reports*, **2021**, 11, 6725	4.9	12
158	Evaluation of chemical compounds that inhibit neurite outgrowth using GFP-labeled iPSC-derived human neurons. *NeuroToxicology*, **2021**, 83, 137-145	4.4	3
157	Pharmacological rescue in patient iPSC and mouse models with a rare DISC1 mutation. *Nature Communications*, **2021**, 12, 1398	17.4	4
156	Profiling the Tox21 Chemical Collection for Acetylcholinesterase Inhibition. *Environmental Health Perspectives*, **2021**, 129, 47008	8.4	6
155	Resources for Developing Reliable and Reproducible Toxicological Test Methods. *Chemical Research in Toxicology*, **2021**, 34, 1367-1369	4	3
154	Predictive Models to Identify Small Molecule Activators and Inhibitors of Opioid Receptors. *Journal of Chemical Information and Modeling*, **2021**, 61, 2675-2685	6.1	4
153	A Universal and High-Throughput Proteomics Sample Preparation Platform. *Analytical Chemistry*, **2021**, 93, 8423-8431	7.8	1

152	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. *Toxicology in Vitro*, **2021**, 73, 105109	3.6	3
151	Systematic Identification of Molecular Targets and Pathways Related to Human Organ Level Toxicity. *Chemical Research in Toxicology*, **2021**, 34, 412-421	4	5
150	Characterization of human pregnane X receptor activators identified from a screening of the Tox21 compound library. *Biochemical Pharmacology*, **2021**, 184, 114368	6	3
149	An Integrated Systems Biology Approach Identifies the Proteasome as A Critical Host Machinery for ZIKV and DENV Replication. *Genomics, Proteomics and Bioinformatics*, **2021**, 19, 108-122	6.5	3
148	Biological activity-based modeling identifies antiviral leads against SARS-CoV-2. *Nature Biotechnology*, **2021**, 39, 747-753	44.5	14
147	AZD8055 enhances in vivo efficacy of afatinib in chordomas. *Journal of Pathology*, **2021**, 255, 72-83	9.4	1
146	Identification of Compounds for Butyrylcholinesterase Inhibition. *SLAS Discovery*, **2021**, 26, 1355-1364	3.4	3
145	Application of In Vitro Metabolism Activation in High-Throughput Screening. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
144	Two-Dimensional Cellular and Three-Dimensional Bio-Printed Skin Models to Screen Topical-Use Compounds for Irritation Potential. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 109	5.8	10
143	High-Throughput Screening to Predict Chemical-Assay Interference. *Scientific Reports*, **2020**, 10, 3986	4.9	14
142	Quantitative Proteomic Profiling of Mitochondrial Toxicants in a Human Cardiomyocyte Cell Line. *Frontiers in Genetics*, **2020**, 11, 719	4.5	2
141	Predictive Models for Human Organ Toxicity Based on Bioactivity Data and Chemical Structure. *Chemical Research in Toxicology*, **2020**, 33, 731-741	4	9
140	High-Throughput Screening and Hazard Testing Prioritization **2020**, 75-86		2
139	Methylene blue is a potent and broad-spectrum inhibitor against Zika virus and. *Emerging Microbes and Infections*, **2020**, 9, 2404-2416	18.9	6
138	Drug Repositioning for Noonan and LEOPARD Syndromes by Integrating Transcriptomics With a Structure-Based Approach. *Frontiers in Pharmacology*, **2020**, 11, 927	5.6	4
137	Limited Chemical Structural Diversity Found to Modulate Thyroid Hormone Receptor in the Tox21 Chemical Library. *Environmental Health Perspectives*, **2019**, 127, 97009	8.4	33
136	Human constitutive androstane receptor agonist DL5016: A novel sensitizer for cyclophosphamide-based chemotherapies. *European Journal of Medicinal Chemistry*, **2019**, 179, 84-99	6.8	5
135	Identifying Compounds with Genotoxicity Potential Using Tox21 High-Throughput Screening Assays. *Chemical Research in Toxicology*, **2019**, 32, 1384-1401	4	15

134	DL5050, a Selective Agonist for the Human Constitutive Androstane Receptor. *ACS Medicinal Chemistry Letters*, **2019**, 10, 1039-1044	4.3	5
133	Systems Modeling of Developmental Vascular Toxicity. *Current Opinion in Toxicology*, **2019**, 15, 55-63	4.4	17
132	Using Tox21 High-Throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements. *Applied in Vitro Toxicology*, **2019**, 5, 10-25	1.3	6
131	Identification of Compounds That Inhibit Estrogen-Related Receptor Alpha Signaling Using High-Throughput Screening Assays. *Molecules*, **2019**, 24,	4.8	10
130	High-content analysis of constitutive androstane receptor (CAR) translocation identifies mosapride citrate as a CAR agonist that represses gluconeogenesis. *Biochemical Pharmacology*, **2019**, 168, 224-236	6	5
129	Use of high-throughput enzyme-based assay with xenobiotic metabolic capability to evaluate the inhibition of acetylcholinesterase activity by organophosphorous pesticides. *Toxicology in Vitro*, **2019**, 56, 93-100	3.6	14
128	Review of high-content screening applications in toxicology. *Archives of Toxicology*, **2019**, 93, 3387-3396	5.8	24
127	Identification and Profiling of Environmental Chemicals That Inhibit the TGF/SMAD Signaling Pathway. *Chemical Research in Toxicology*, **2019**, 32, 2433-2444	4	2
126	Bioactivity Signatures of Drugs vs. Environmental Chemicals Revealed by Tox21 High-Throughput Screening Assays. *Frontiers in Big Data*, **2019**, 2, 50	2.8	4
125	Pyrazole-4-Carboxamide (YW2065): A Therapeutic Candidate for Colorectal Cancer via Dual Activities of Wnt/Catenin Signaling Inhibition and AMP-Activated Protein Kinase (AMPK) Activation. *Journal of Medicinal Chemistry*, **2019**, 62, 11151-11164	8.3	11
124	Triazole-Based Inhibitors of the Wnt/Catenin Signaling Pathway Improve Glucose and Lipid Metabolisms in Diet-Induced Obese Mice. *Journal of Medicinal Chemistry*, **2019**, 62, 727-741	8.3	10
123	Identification of Modulators That Activate the Constitutive Androstane Receptor From the Tox21 10K Compound Library. *Toxicological Sciences*, **2019**, 167, 282-292	4.4	20
122	Detection of nanocarrier potentiation on drug induced phospholipidosis in cultured cells and primary hepatocyte spheroids by high content imaging and analysis. *Toxicology and Applied Pharmacology*, **2018**, 348, 54-66	4.6	6
121	Identification of Estrogen-Related Receptor Agonists in the Tox21 Compound Library. *Endocrinology*, **2018**, 159, 744-753	4.8	18
120	Erythrosin B is a potent and broad-spectrum orthosteric inhibitor of the flavivirus NS2B-NS3 protease. *Antiviral Research*, **2018**, 150, 217-225	10.8	43
119	Omics-Based Platform for Studying Chemical Toxicity Using Stem Cells. *Journal of Proteome Research*, **2018**, 17, 579-589	5.6	4
118	Expanding biological space coverage enhances the prediction of drug adverse effects in human using in vitro activity profiles. *Scientific Reports*, **2018**, 8, 3783	4.9	19
117	Identification of Angiogenesis Inhibitors Using a Co-culture Cell Model in a High-Content and High-Throughput Screening Platform. *SLAS Technology*, **2018**, 23, 217-225	3	4

116	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. *Cell Discovery*, **2018**, 4, 31	22.3	81
115	Assay Guidance Manual: Quantitative Biology and Pharmacology in Preclinical Drug Discovery. *Clinical and Translational Science*, **2018**, 11, 461-470	4.9	23
114	The Toxmatrix: Chemo-Genomic Profiling Identifies Interactions That Reveal Mechanisms of Toxicity. *Chemical Research in Toxicology*, **2018**, 31, 127-136	4	8
113	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. *ACS Central Science*, **2018**, 4, 1727-1741	16.8	26
112	Comprehensive Analyses and Prioritization of Tox21 10K Chemicals Affecting Mitochondrial Function by in-Depth Mechanistic Studies. *Environmental Health Perspectives*, **2018**, 126, 077010	8.4	44
111	Characterization of three human cell line models for high-throughput neuronal cytotoxicity screening. *Journal of Applied Toxicology*, **2017**, 37, 167-180	4.1	37
110	Alternative approaches for identifying acute systemic toxicity: Moving from research to regulatory testing. *Toxicology in Vitro*, **2017**, 41, 245-259	3.6	39
109	Identifying environmental chemicals as agonists of the androgen receptor by using a quantitative high-throughput screening platform. *Toxicology*, **2017**, 385, 48-58	4.4	22
108	Monohalogenated acetamide-induced cellular stress and genotoxicity are related to electrophilic softness and thiol/thiolate reactivity. *Journal of Environmental Sciences*, **2017**, 58, 224-230	6.4	21
107	Development of Novel Cell Lines for High-Throughput Screening to Detect Estrogen-Related Receptor Alpha Modulators. *SLAS Discovery*, **2017**, 22, 720-731	3.4	16
106	In Silico Prediction of hPXR Activators Using Structure-Based Pharmacophore Modeling. *Journal of Pharmaceutical Sciences*, **2017**, 106, 1752-1759	3.9	10
105	Identification of acetylcholinesterase inhibitors using homogenous cell-based assays in quantitative high-throughput screening platforms. *Biotechnology Journal*, **2017**, 12, 1600715	5.6	7
104	Development and Validation of a Computational Model for Androgen Receptor Activity. *Chemical Research in Toxicology*, **2017**, 30, 946-964	4	114
103	Prediction of hERG Liability - Using SVM Classification, Bootstrapping and Jackknifing. *Molecular Informatics*, **2017**, 36, 1600126	3.8	15
102	Assessment of the DNA damaging potential of environmental chemicals using a quantitative high-throughput screening approach to measure p53 activation. *Environmental and Molecular Mutagenesis*, **2017**, 58, 494-507	3.2	14
101	Existing drugs as broad-spectrum and potent inhibitors for Zika virus by targeting NS2B-NS3 interaction. *Cell Research*, **2017**, 27, 1046-1064	24.7	110
100	Advances in high-throughput screening technology for toxicology. *International Journal of Risk Assessment and Management*, **2017**, 20, 109	0.9	9
99	Development and Application of Human Renal Proximal Tubule Epithelial Cells for Assessment of Compound Toxicity. *Current Chemical Genomics and Translational Medicine*, **2017**, 11, 19-30		27

98	Why are most phospholipidosis inducers also hERG blockers?. *Archives of Toxicology*, **2017**, 91, 3885-3895	5.8	12
97	Identification of genotoxic compounds using isogenic DNA repair deficient DT40 cell lines on a quantitative high throughput screening platform. *Mutagenesis*, **2016**, 31, 69-81	2.8	21
96	Identification of small-molecule inhibitors of Zika virus infection and induced neural cell death via a drug repurposing screen. *Nature Medicine*, **2016**, 22, 1101-1107	50.5	458
95	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. *Nucleic Acids Research*, **2016**, 44, 8610-8620	20.1	119
94	Transactivation and Coactivator Recruitment Assays for Measuring Farnesoid X Receptor Activity. *Methods in Molecular Biology*, **2016**, 1473, 43-53	1.4	2
93	Determination of Histone H2AX Phosphorylation in DT40 Cells. *Methods in Molecular Biology*, **2016**, 1473, 71-6	1.4	4
92	Small Molecule Inhibitor of NRF2 Selectively Intervenes Therapeutic Resistance in KEAP1-Deficient NSCLC Tumors. *ACS Chemical Biology*, **2016**, 11, 3214-3225	4.9	239
91	Mitochondrial Membrane Potential Assay. *Methods in Molecular Biology*, **2016**, 1473, 17-22	1.4	79
90	Cell-Based Assay for Identifying the Modulators of Antioxidant Response Element Signaling Pathway. *Methods in Molecular Biology*, **2016**, 1473, 55-62	1.4	5
89	Quantitative High-Throughput Luciferase Screening in Identifying CAR Modulators. *Methods in Molecular Biology*, **2016**, 1473, 33-42	1.4	5
88	Using β-Lactamase and NanoLuc Luciferase Reporter Gene Assays to Identify Inhibitors of the HIF-1 Signaling Pathway. *Methods in Molecular Biology*, **2016**, 1473, 23-31	1.4	3
87	One-Step Seeding of Neural Stem Cells with Vitronectin-Supplemented Medium for High-Throughput Screening Assays. *Journal of Biomolecular Screening*, **2016**, 21, 1112-1124		10
86	Differential modulation of FXR activity by chlorophacinone and ivermectin analogs. *Toxicology and Applied Pharmacology*, **2016**, 313, 138-148	4.6	6
85	High-Throughput and High-Content Micronucleus Assay in CHO-K1 Cells. *Methods in Molecular Biology*, **2016**, 1473, 77-85	1.4	2
84	A Novel Chemotherapeutic Agent to Treat Tumors with DNA Mismatch Repair Deficiencies. *Cancer Research*, **2016**, 76, 4183-91	10.1	10
83	Modelling the Tox21 10 K chemical profiles for in vivo toxicity prediction and mechanism characterization. *Nature Communications*, **2016**, 7, 10425	17.4	125
82	Identification of HDAC Inhibitors Using a Cell-Based HDAC I/II Assay. *Journal of Biomolecular Screening*, **2016**, 21, 643-52		17
81	Identification of compounds that modulate retinol signaling using a cell-based qHTS assay. *Toxicology in Vitro*, **2016**, 32, 287-96	3.6	6

80	Identification of approved and investigational drugs that inhibit hypoxia-inducible factor-1 signaling. *Oncotarget*, **2016**, 7, 8172-83	3.3	13
79	Mechanism Profiling of Hepatotoxicity Caused by Oxidative Stress Using Antioxidant Response Element Reporter Gene Assay Models and Big Data. *Environmental Health Perspectives*, **2016**, 124, 634-41	8.4	46
78	The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. *Environmental Health Perspectives*, **2016**, 124, 1671-1682	8.4	59
77	Tox21Challenge to Build Predictive Models of Nuclear Receptor and Stress Response Pathways as Mediated by Exposure to Environmental Chemicals and Drugs. *Frontiers in Environmental Science*, **2016**, 3,	4.8	59
76	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. *PLoS ONE*, **2016**, 11, e0161486	3.7	5
75	Editor's Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity on In Vitro Assay Activity Across a Diverse Chemical and Assay Space. *Toxicological Sciences*, **2016**, 152, 323-39	4.4	125
74	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. *Stem Cells Translational Medicine*, **2016**, 5, 613-27	6.9	25
73	A cell-based quantitative high-throughput image screening identified novel autophagy modulators. *Pharmacological Research*, **2016**, 110, 35-49	10.2	30
72	Profiling of the Tox21 chemical collection for mitochondrial function to identify compounds that acutely decrease mitochondrial membrane potential. *Environmental Health Perspectives*, **2015**, 123, 49-56	8.4	107
71	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. *Carcinogenesis*, **2015**, 36 Suppl 1, S254-96	4.6	176
70	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: focus on the cancer hallmark of tumor angiogenesis. *Carcinogenesis*, **2015**, 36 Suppl 1, S184-202	4.6	28
69	Population-based in vitro hazard and concentration-response assessment of chemicals: the 1000 genomes high-throughput screening study. *Environmental Health Perspectives*, **2015**, 123, 458-66	8.4	64
68	Identification of known drugs targeting the endoplasmic reticulum stress response. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 5343-51	4.4	7
67	Evaluation of CYP3A4 inhibition and hepatotoxicity using DMSO-treated human hepatoma HuH-7 cells. *Cell Biology and Toxicology*, **2015**, 31, 221-30	7.4	13
66	Quantitative high-throughput identification of drugs as modulators of human constitutive androstane receptor. *Scientific Reports*, **2015**, 5, 10405	4.9	30
65	Cell-Based High-Throughput Screening for Aromatase Inhibitors in the Tox21 10K Library. *Toxicological Sciences*, **2015**, 147, 446-57	4.4	38
64	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18 In Vitro High-Throughput Screening Assays for the Estrogen Receptor. *Toxicological Sciences*, **2015**, 148, 137-54	4.4	201
63	A Data Analysis Pipeline Accounting for Artifacts in Tox21 Quantitative High-Throughput Screening Assays. *Journal of Biomolecular Screening*, **2015**, 20, 887-97		53

62	Prediction of human population responses to toxic compounds by a collaborative competition. *Nature Biotechnology*, **2015**, 33, 933-40	44.5	70
61	Performance of the BG1Luc ER TA method in a qHTS format. *ALTEX: Alternatives To Animal Experimentation*, **2015**, 32, 287-96	4.3	4
60	Quantitative high-throughput profiling of environmental chemicals and drugs that modulate farnesoid X receptor. *Scientific Reports*, **2014**, 4, 6437	4.9	33
59	Detection of phospholipidosis induction: a cell-based assay in high-throughput and high-content format. *Journal of Biomolecular Screening*, **2014**, 19, 66-76		35
58	Predictive endocrine testing in the 21st century using in vitro assays of estrogen receptor signaling responses. *Environmental Science & Technology*, **2014**, 48, 8706-16	10.3	64
57	Inhibition of HERG potassium channels by domiphen bromide and didecyl dimethylammonium bromide. *European Journal of Pharmacology*, **2014**, 737, 202-9	5.3	2
56	Identification of novel PARP inhibitors using a cell-based TDP1 inhibitory assay in a quantitative high-throughput screening platform. *DNA Repair*, **2014**, 21, 177-82	4.3	16
55	AroER tri-screen is a biologically relevant assay for endocrine disrupting chemicals modulating the activity of aromatase and/or the estrogen receptor. *Toxicological Sciences*, **2014**, 139, 198-209	4.4	24
54	Profiling of the Tox21 10K compound library for agonists and antagonists of the estrogen receptor alpha signaling pathway. *Scientific Reports*, **2014**, 4, 5664	4.9	113
53	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. *Breast Cancer Research*, **2014**, 16, R67	8.3	13
52	Identification of thyroid hormone receptor active compounds using a quantitative high-throughput screening platform. *Current Chemical Genomics and Translational Medicine*, **2014**, 8, 36-46		18
51	Systematic study of mitochondrial toxicity of environmental chemicals using quantitative high throughput screening. *Chemical Research in Toxicology*, **2013**, 26, 1323-32	4	62
50	Are hERG channel blockers also phospholipidosis inducers?. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4587-90	2.9	26
49	Human cell toxicogenomic analysis linking reactive oxygen species to the toxicity of monohaloacetic acid drinking water disinfection byproducts. *Environmental Science & Technology*, **2013**, 47, 12514-23	10.3	82
48	Identification of novel activators of constitutive androstane receptor from FDA-approved drugs by integrated computational and biological approaches. *Pharmaceutical Research*, **2013**, 30, 489-501	4.5	35
47	Mechanism of HERG potassium channel inhibition by tetra-n-octylammonium bromide and benzethonium chloride. *Toxicology and Applied Pharmacology*, **2013**, 267, 155-66	4.6	7
46	Mechanism-based testing strategy using in vitro approaches for identification of thyroid hormone disrupting chemicals. *Toxicology in Vitro*, **2013**, 27, 1320-46	3.6	143
45	The Tox21 robotic platform for the assessment of environmental chemicals--from vision to reality. *Drug Discovery Today*, **2013**, 18, 716-23	8.8	169

44	Bisphenol A affects androgen receptor function via multiple mechanisms. *Chemico-Biological Interactions*, **2013**, 203, 556-64	5	124
43	Using in vitro high throughput screening assays to identify potential endocrine-disrupting chemicals. *Environmental Health Perspectives*, **2013**, 121, 7-14	8.4	119
42	Identification of repurposed small molecule drugs for chordoma therapy. *Cancer Biology and Therapy*, **2013**, 14, 638-47	4.6	27
41	A novel chordoma xenograft allows in vivo drug testing and reveals the importance of NF-B signaling in chordoma biology. *PLoS ONE*, **2013**, 8, e79950	3.7	15
40	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. *ALTEX: Alternatives To Animal Experimentation*, **2013**, 30, 51-6	4.3	105
39	Paradigm shift in toxicity testing and modeling. *AAPS Journal*, **2012**, 14, 473-80	3.7	68
38	Prediction of Cytochrome P450 Profiles of Environmental Chemicals with QSAR Models Built from Drug-like Molecules. *Molecular Informatics*, **2012**, 31, 783-792	3.8	18
37	5-hmC in the brain is abundant in synaptic genes and shows differences at the exon-intron boundary. *Nature Structural and Molecular Biology*, **2012**, 19, 1037-43	17.6	186
36	Structure based model for the prediction of phospholipidosis induction potential of small molecules. *Journal of Chemical Information and Modeling*, **2012**, 52, 1798-805	6.1	22
35	Reply to Kojo: Mechanisms of antioxidant-induced DNA damage. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2029-E2029	11.5	1
34	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. *ACS Medicinal Chemistry Letters*, **2012**, 3, 112-117	4.3	48
33	Profiling environmental chemicals for activity in the antioxidant response element signaling pathway using a high throughput screening approach. *Environmental Health Perspectives*, **2012**, 120, 1150-6	8.4	37
32	High-throughput genotoxicity assay identifies antioxidants as inducers of DNA damage response and cell death. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5423-8	11.5	85
31	Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model. *Toxicological Sciences*, **2012**, 126, 578-88	4.4	35
30	Assessment of compound hepatotoxicity using human plateable cryopreserved hepatocytes in a 1536-well-plate format. *Assay and Drug Development Technologies*, **2012**, 10, 78-87	2.1	18
29	Application of a homogenous membrane potential assay to assess mitochondrial function. *Physiological Genomics*, **2012**, 44, 495-503	3.6	59
28	The role of tumour necrosis factor- and tumour necrosis factor receptor signalling in inflammation-associated systemic genotoxicity. *Mutagenesis*, **2012**, 27, 77-86	2.8	31
27	Identification of quaternary ammonium compounds as potent inhibitors of hERG potassium channels. *Toxicology and Applied Pharmacology*, **2011**, 252, 250-8	4.6	29

26	Phosphodiesterase 4 inhibitors enhance sexual pleasure-seeking activity in rodents. *Pharmacology Biochemistry and Behavior*, **2011**, 98, 349-55	3.9	2
25	Synthesis and evaluation of quinazolin-4-ones as hypoxia-inducible factor-1 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 5239-43	2.9	9
24	Inhibition of morphine-induced cAMP overshoot: a cell-based assay model in a high-throughput format. *Cellular and Molecular Neurobiology*, **2011**, 31, 901-7	4.6	19
23	Characterization of environmental chemicals with potential for DNA damage using isogenic DNA repair-deficient chicken DT40 cell lines. *Environmental and Molecular Mutagenesis*, **2011**, 52, 547-61	3.2	43
22	Identification of clinically used drugs that activate pregnane X receptors. *Drug Metabolism and Disposition*, **2011**, 39, 151-9	4	74
21	Chemical genomics profiling of environmental chemical modulation of human nuclear receptors. *Environmental Health Perspectives*, **2011**, 119, 1142-8	8.4	150
20	Two High Throughput Screen Assays for Measurement of TNF- In THP-1 Cells. *Current Chemical Genomics*, **2011**, 5, 21-9		22
19	The future of toxicity testing: a focus on in vitro methods using a quantitative high-throughput screening platform. *Drug Discovery Today*, **2010**, 15, 997-1007	8.8	209
18	Identification of known drugs that act as inhibitors of NF-kappaB signaling and their mechanism of action. *Biochemical Pharmacology*, **2010**, 79, 1272-80	6	179
17	Identification of compounds that potentiate CREB signaling as possible enhancers of long-term memory. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2412-7	11.5	41
16	The pilot phase of the NIH Chemical Genomics Center. *Current Topics in Medicinal Chemistry*, **2009**, 9, 1181-93	3	24
15	Weighted feature significance: a simple, interpretable model of compound toxicity based on the statistical enrichment of structural features. *Toxicological Sciences*, **2009**, 112, 385-93	4.4	31
14	Identification of chemical compounds that induce HIF-1alpha activity. *Toxicological Sciences*, **2009**, 112, 153-63	4.4	47
13	Cardiac glycosides inhibit p53 synthesis by a mechanism relieved by Src or MAPK inhibition. *Cancer Research*, **2009**, 69, 6556-64	10.1	80
12	Exploration and optimization of substituted triazolothiadiazines and triazolopyridazines as PDE4 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 3686-92	2.9	37
11	A new homogeneous high-throughput screening assay for profiling compound activity on the human ether-a-go-go-related gene channel. *Analytical Biochemistry*, **2009**, 394, 30-8	3.1	52
10	Identification of small molecule compounds that inhibit the HIF-1 signaling pathway. *Molecular Cancer*, **2009**, 8, 117	42.1	22
9	A quantitative high-throughput screen for modulators of IL-6 signaling: a model for interrogating biological networks using chemical libraries. *Molecular BioSystems*, **2009**, 5, 1039-50		13

8	HTS-compatible beta-lactamase transcriptional reporter gene assay for interrogating the heat shock response pathway. *Current Chemical Genomics*, **2009**, 3, 1-6		6
7	A Cell-based beta-Lactamase Reporter Gene Assay for the CREB Signaling Pathway. *Current Chemical Genomics*, **2009**, 3, 7-12		7
6	A bioluminescent cytotoxicity assay for assessment of membrane integrity using a proteolytic biomarker. *Toxicology in Vitro*, **2008**, 22, 1099-106	3.6	74
5	Characterization of diversity in toxicity mechanism using in vitro cytotoxicity assays in quantitative high throughput screening. *Chemical Research in Toxicology*, **2008**, 21, 659-67	4	59
4	Compound cytotoxicity profiling using quantitative high-throughput screening. *Environmental Health Perspectives*, **2008**, 116, 284-91	8.4	211
3	High-throughput screening assays for the identification of chemical probes. *Nature Chemical Biology*, **2007**, 3, 466-79	11.7	478
2	State-dependent inhibition of L-type calcium channels: cell-based assay in high-throughput format. *Analytical Biochemistry*, **2004**, 327, 74-81	3.1	36
1	Generation and characterization of a cell line with inducible expression of Ca(v)3.2 (T-type) channels. *Assay and Drug Development Technologies*, **2003**, 1, 637-45	2.1	10