Menghang Xia

List of Publications by Year
in descending order

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Version: 2024-02-01

177 papers	9,748 citations	38720 50 h-index	43868 91 g-index
181 all docs	181 docs citations	181 times ranked	13026 citing authors

#	Article	IF	Citations
1	High-Throughput Chemical Screening and Structure-Based Models to Predict hERG Inhibition. Biology, 2022, 11, 209.	1.3	8
2	High-throughput screening for identifying acetylcholinesterase inhibitors: Insights on novel inhibitors and the use of liver microsomes. SLAS Discovery, 2022, 27, 65-67.	1.4	2
3	A gene expression biomarker for predictive toxicology to identify chemical modulators of NF-Î¹B. PLoS ONE, 2022, 17, e0261854.	1.1	6
4	GFP-LC3 High-Content Assay for Screening Autophagy Modulators. Methods in Molecular Biology, 2022, 2474, 83-89.	0.4	1
5	Cell-Based Assays to Identify Modulators of Nrf2/ARE Pathway. Methods in Molecular Biology, 2022, 2474, 59-69.	0.4	0
6	Cell-Based Imaging Assay for Detection of Phospholipidosis. Methods in Molecular Biology, 2022, 2474, 73-82.	0.4	2
7	Mitochondrial Membrane Potential Assay. Methods in Molecular Biology, 2022, 2474, 11-19.	0.4	5
8	Identifying CAR Modulators Utilizing a Reporter Gene Assay. Methods in Molecular Biology, 2022, 2474, 29-38.	0.4	0
9	Cell-Based Assays to Identify ERR and ERR/PGC Modulators. Methods in Molecular Biology, 2022, 2474, 3-9.	0.4	3
10	Acetylcholinesterase Inhibition Assays for High-Throughput Screening. Methods in Molecular Biology, 2022, 2474, 47-58.	0.4	7
11	Cell-Based hERG Channel Inhibition Assay in High-Throughput Format. Methods in Molecular Biology, 2022, 2474, 21-28.	0.4	2
12	Repurposing drugs as COVID-19 therapies: A toxicity evaluation. Drug Discovery Today, 2022, 27, 1983-1993.	3.2	16
13	Identification of environmental chemicals that activate p53 signaling after in vitro metabolic activation. Archives of Toxicology, 2022, 96, 1975-1987.	1.9	10
14	Targeting CAR and Nrf2 improves cyclophosphamide bioactivation while reducing doxorubicin-induced cardiotoxicity in triple-negative breast cancer treatment. JCI Insight, 2022, 7, .	2.3	3
15	Retro Drug Design: From Target Properties to Molecular Structures. Journal of Chemical Information and Modeling, 2022, 62, 2659-2669.	2.5	5
16	Improving the solubility and antileukemia activity of Wnt/Î²-catenin signaling inhibitors by disrupting molecular planarity. Bioorganic and Medicinal Chemistry, 2022, 69, 116890.	1.4	1
17	Systematic Identification of Molecular Targets and Pathways Related to Human Organ Level Toxicity. Chemical Research in Toxicology, 2021, 34, 412-421.	1.7	16
18	Characterization of human pregnane X receptor activators identified from a screening of the Tox21 compound library. Biochemical Pharmacology, 2021, 184, 114368.	2.0	19

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19	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.	3.0	7
20	Biological activity-based modeling identifies antiviral leads against SARS-CoV-2. Nature Biotechnology, 2021, 39, 747-753.	9.4	38
21	Mining of high throughput screening database reveals AP-1 and autophagy pathways as potential targets for COVID-19 therapeutics. Scientific Reports, 2021, 11, 6725.	1.6	25
22	Evaluation of chemical compounds that inhibit neurite outgrowth using GFP-labeled iPSC-derived human neurons. NeuroToxicology, 2021, 83, 137-145.	1.4	6
23	Pharmacological rescue in patient iPSC and mouse models with a rare DISC1 mutation. Nature Communications, 2021, 12, 1398.	5.8	17
24	Profiling the Tox21 Chemical Collection for Acetylcholinesterase Inhibition. Environmental Health Perspectives, 2021, 129, 47008.	2.8	21
25	Resources for Developing Reliable and Reproducible In Vitro Toxicological Test Methods. Chemical Research in Toxicology, 2021, 34, 1367-1369.	1.7	5
26	Predictive Models to Identify Small Molecule Activators and Inhibitors of Opioid Receptors. Journal of Chemical Information and Modeling, 2021, 61, 2675-2685.	2.5	14
27	A Universal and High-Throughput Proteomics Sample Preparation Platform. Analytical Chemistry, 2021, 93, 8423-8431.	3.2	24
28	Exploration of xenobiotic metabolism within cell lines used for Tox21 chemical screening. Toxicology in Vitro, 2021, 73, 105109.	1.1	10
29	<scp>AZD8055</scp> enhances in vivo efficacy of afatinib in chordomas. Journal of Pathology, 2021, 255, 72-83.	2.1	9
30	Identification of Compounds for Butyrylcholinesterase Inhibition. SLAS Discovery, 2021, 26, 1355-1364.	1.4	24
31	Methylene blue is a potent and broad-spectrum inhibitor against Zika virus in vitro and in vivo. Emerging Microbes and Infections, 2020, 9, 2404-2416.	3.0	26
32	Drug Repositioning for Noonan and LEOPARD Syndromes by Integrating Transcriptomics With a Structure-Based Approach. Frontiers in Pharmacology, 2020, 11, 927.	1.6	9
33	Application of In Vitro Metabolism Activation in High-Throughput Screening. International Journal of Molecular Sciences, 2020, 21, 8182.	1.8	24
34	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.	2.0	26
35	High-Throughput Screening to Predict Chemical-Assay Interference. Scientific Reports, 2020, 10, 3986.	1.6	28
36	Quantitative Proteomic Profiling of Mitochondrial Toxicants in a Human Cardiomyocyte Cell Line. Frontiers in Genetics, 2020, 11, 719.	1.1	5

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37	Predictive Models for Human Organ Toxicity Based on In Vitro Bioactivity Data and Chemical Structure. Chemical Research in Toxicology, 2020, 33, 731-741.	1.7	23
38	High-Throughput Screening and Hazard Testing Prioritization. , 2020, , 75-86.		3
39	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.	2.0	9
40	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.	1.1	19
41	Review of high-content screening applications in toxicology. Archives of Toxicology, 2019, 93, 3387-3396.	1.9	54
42	Identification and Profiling of Environmental Chemicals That Inhibit the TGFÎ²/SMAD Signaling Pathway. Chemical Research in Toxicology, 2019, 32, 2433-2444.	1.7	4
43	Limited Chemical Structural Diversity Found to Modulate Thyroid Hormone Receptor in the Tox21 Chemical Library. Environmental Health Perspectives, 2019, 127, 97009.	2.8	56
44	Human constitutive androstane receptor agonist DL5016: A novel sensitizer for cyclophosphamide-based chemotherapies. European Journal of Medicinal Chemistry, 2019, 179, 84-99.	2.6	9
45	Identifying Compounds with Genotoxicity Potential Using Tox21 High-Throughput Screening Assays. Chemical Research in Toxicology, 2019, 32, 1384-1401.	1.7	27
46	DL5050, a Selective Agonist for the Human Constitutive Androstane Receptor. ACS Medicinal Chemistry Letters, 2019, 10, 1039-1044.	1.3	10
47	Systems modeling of developmental vascular toxicity. Current Opinion in Toxicology, 2019, 15, 55-63.	2.6	25
48	Using Tox21 High-Throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements. Applied in Vitro Toxicology, 2019, 5, 10-25.	0.6	15
49	Identification of Compounds That Inhibit Estrogen-Related Receptor Alpha Signaling Using High-Throughput Screening Assays. Molecules, 2019, 24, 841.	1.7	15
50	Bioactivity Signatures of Drugs vs. Environmental Chemicals Revealed by Tox21 High-Throughput Screening Assays. Frontiers in Big Data, 2019, 2, 50.	1.8	7
51	Pyrazole-4-Carboxamide (YW2065): A Therapeutic Candidate for Colorectal Cancer via Dual Activities of Wnt/Î²-Catenin Signaling Inhibition and AMP-Activated Protein Kinase (AMPK) Activation. Journal of Medicinal Chemistry, 2019, 62, 11151-11164.	2.9	28
52	Triazole-Based Inhibitors of the Wnt/Î²-Catenin Signaling Pathway Improve Glucose and Lipid Metabolisms in Diet-Induced Obese Mice. Journal of Medicinal Chemistry, 2019, 62, 727-741.	2.9	16
53	Identification of Modulators That Activate the Constitutive Androstane Receptor From the Tox21 10K Compound Library. Toxicological Sciences, 2019, 167, 282-292.	1.4	42
54	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.	1.3	11

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55	Identification of Estrogen-Related Receptor Î± Agonists in the Tox21 Compound Library. Endocrinology, 2018, 159, 744-753.	1.4	40
56	Erythrosin B is a potent and broad-spectrum orthosteric inhibitor of the flavivirus NS2B-NS3 protease. Antiviral Research, 2018, 150, 217-225.	1.9	61
57	Omics-Based Platform for Studying Chemical Toxicity Using Stem Cells. Journal of Proteome Research, 2018, 17, 579-589.	1.8	5
58	Expanding biological space coverage enhances the prediction of drug adverse effects in human using in vitro activity profiles. Scientific Reports, 2018, 8, 3783.	1.6	39
59	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.	1.0	9
60	The Toxmatrix: Chemo-Genomic Profiling Identifies Interactions That Reveal Mechanisms of Toxicity. Chemical Research in Toxicology, 2018, 31, 127-136.	1.7	12
61	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741.	5.3	32
62	Comprehensive Analyses and Prioritization of Tox21 10K Chemicals Affecting Mitochondrial Function by in-Depth Mechanistic Studies. Environmental Health Perspectives, 2018, 126, 077010.	2.8	60
63	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. Cell Discovery, 2018, 4, 31.	3.1	128
64	Assay Guidance Manual: Quantitative Biology and Pharmacology in Preclinical Drug Discovery. Clinical and Translational Science, 2018, 11, 461-470.	1.5	38
65	Characterization of three human cell line models for highâ€throughput neuronal cytotoxicity screening. Journal of Applied Toxicology, 2017, 37, 167-180.	1.4	49
66	Alternative approaches for identifying acute systemic toxicity: Moving from research to regulatory testing. Toxicology in Vitro, 2017, 41, 245-259.	1.1	54
67	Identifying environmental chemicals as agonists of the androgen receptor by using a quantitative high-throughput screening platform. Toxicology, 2017, 385, 48-58.	2.0	24
68	Monohalogenated acetamide-induced cellular stress and genotoxicity are related to electrophilic softness and thiol/thiolate reactivity. Journal of Environmental Sciences, 2017, 58, 224-230.	3.2	28
69	Development of Novel Cell Lines for High-Throughput Screening to Detect Estrogen-Related Receptor Alpha Modulators. SLAS Discovery, 2017, 22, 720-731.	1.4	20
70	In Silico Prediction of hPXR Activators Using Structure-Based Pharmacophore Modeling. Journal of Pharmaceutical Sciences, 2017, 106, 1752-1759.	1.6	13
71	Identification of acetylcholinesterase inhibitors using homogenous cellâ€based assays in quantitative highâ€throughput screening platforms. Biotechnology Journal, 2017, 12, 1600715.	1.8	10
72	Development and Validation of a Computational Model for Androgen Receptor Activity. Chemical Research in Toxicology, 2017, 30, 946-964.	1.7	163

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73	Prediction of hERG Liability â€“ Using SVM Classification, Bootstrapping and Jackknifing. Molecular Informatics, 2017, 36, 1600126.	1.4	35
74	Assessment of the DNA damaging potential of environmental chemicals using a quantitative highâ€throughput screening approach to measure p53 activation. Environmental and Molecular Mutagenesis, 2017, 58, 494-507.	0.9	27
75	Existing drugs as broad-spectrum and potent inhibitors for Zika virus by targeting NS2B-NS3 interaction. Cell Research, 2017, 27, 1046-1064.	5.7	153
76	Advances in high-throughput screening technology for toxicology. International Journal of Risk Assessment and Management, 2017, 20, 109.	0.2	13
77	Editorial: Tox21 Challenge to Build Predictive Models of Nuclear Receptor and Stress Response Pathways As Mediated by Exposure to Environmental Toxicants and Drugs. Frontiers in Environmental Science, 2017, 5, .	1.5	36
78	Why are most phospholipidosis inducers also hERG blockers?. Archives of Toxicology, 2017, 91, 3885-3895.	1.9	22
79	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.	4.3	38
80	Identification of genotoxic compounds using isogenic DNA repair deficient DT40 cell lines on a quantitative high throughput screening platform. Mutagenesis, 2016, 31, gev055.	1.0	25
81	Mechanism Profiling of Hepatotoxicity Caused by Oxidative Stress Using Antioxidant Response Element Reporter Gene Assay Models and Big Data. Environmental Health Perspectives, 2016, 124, 634-641.	2.8	56
82	The Next Generation of Risk Assessment Multi-Year Studyâ€"Highlights of Findings, Applications to Risk Assessment, and Future Directions. Environmental Health Perspectives, 2016, 124, 1671-1682.	2.8	74
83	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, .	1.5	106
84	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.	1.1	9
85	Editor's Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity onIn VitroAssay Activity Across a Diverse Chemical and Assay Space. Toxicological Sciences, 2016, 152, 323-339.	1.4	171
86	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. Stem Cells Translational Medicine, 2016, 5, 613-627.	1.6	31
87	A cell-based quantitative high-throughput image screening identified novel autophagy modulators. Pharmacological Research, 2016, 110, 35-49.	3.1	49
88	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.	15.2	581
89	Molecular signatures associated with ZIKV exposure in human cortical neural progenitors. Nucleic Acids Research, 2016, 44, 8610-8620.	6.5	155
90	Transactivation and Coactivator Recruitment Assays for Measuring Farnesoid X Receptor Activity. Methods in Molecular Biology, 2016, 1473, 43-53.	0.4	3

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91	Determination of Histone H2AX Phosphorylation in DT40 Cells. Methods in Molecular Biology, 2016, 1473, 71-76.	0.4	6
92	Small Molecule Inhibitor of NRF2 Selectively Intervenes Therapeutic Resistance in KEAP1-Deficient NSCLC Tumors. ACS Chemical Biology, 2016, 11, 3214-3225.	1.6	364
93	Mitochondrial Membrane Potential Assay. Methods in Molecular Biology, 2016, 1473, 17-22.	0.4	150
94	Cell-Based Assay for Identifying the Modulators of Antioxidant Response Element Signaling Pathway. Methods in Molecular Biology, 2016, 1473, 55-62.	0.4	7
95	Quantitative High-Throughput Luciferase Screening in Identifying CAR Modulators. Methods in Molecular Biology, 2016, 1473, 33-42.	0.4	8
96	Using Î²-Lactamase and NanoLuc Luciferase Reporter Gene Assays to Identify Inhibitors of the HIF-1 Signaling Pathway. Methods in Molecular Biology, 2016, 1473, 23-31.	0.4	4
97	One-Step Seeding of Neural Stem Cells with Vitronectin-Supplemented Medium for High-Throughput Screening Assays. Journal of Biomolecular Screening, 2016, 21, 1112-1124.	2.6	11
98	Differential modulation of FXR activity by chlorophacinone and ivermectin analogs. Toxicology and Applied Pharmacology, 2016, 313, 138-148.	1.3	8
99	High-Throughput and High-Content Micronucleus Assay in CHO-K1 Cells. Methods in Molecular Biology, 2016, 1473, 77-85.	0.4	3
100	A Novel Chemotherapeutic Agent to Treat Tumors with DNA Mismatch Repair Deficiencies. Cancer Research, 2016, 76, 4183-4191.	0.4	21
101	Modelling the Tox21 10â€‰K chemical profiles for in vivo toxicity prediction and mechanism characterization. Nature Communications, 2016, 7, 10425.	5.8	202
102	Identification of HDAC Inhibitors Using a Cell-Based HDAC I/II Assay. Journal of Biomolecular Screening, 2016, 21, 643-652.	2.6	26
103	Identification of compounds that modulate retinol signaling using a cell-based qHTS assay. Toxicology in Vitro, 2016, 32, 287-296.	1.1	8
104	Identification of approved and investigational drugs that inhibit hypoxia-inducible factor-1 signaling. Oncotarget, 2016, 7, 8172-8183.	0.8	21
105	Quantitative High-Throughput Identification of Drugs as Modulators of Human Constitutive Androstane Receptor. Scientific Reports, 2015, 5, 10405.	1.6	34
106	Cell-Based High-Throughput Screening for Aromatase Inhibitors in the Tox21 10K Library. Toxicological Sciences, 2015, 147, 446-457.	1.4	61
107	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18In VitroHigh-Throughput Screening Assays for the Estrogen Receptor. Toxicological Sciences, 2015, 148, 137-154.	1.4	251
108	A Data Analysis Pipeline Accounting for Artifacts in Tox21 Quantitative High-Throughput Screening Assays. Journal of Biomolecular Screening, 2015, 20, 887-897.	2.6	75

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109	Prediction of human population responses to toxic compounds by a collaborative competition. Nature Biotechnology, 2015, 33, 933-940.	9.4	88
110	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.	2.8	154
111	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis, 2015, 36, S254-S296.	1.3	239
112	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, S184-S202.	1.3	41
113	Population-Based in Vitro Hazard and Concentrationâ€"Response Assessment of Chemicals: The 1000 Genomes High-Throughput Screening Study. Environmental Health Perspectives, 2015, 123, 458-466.	2.8	89
114	Identification of known drugs targeting the endoplasmic reticulum stress response. Analytical and Bioanalytical Chemistry, 2015, 407, 5343-5351.	1.9	11
115	Evaluation of CYP3A4 inhibition and hepatotoxicity using DMSO-treated human hepatoma HuH-7 cells. Cell Biology and Toxicology, 2015, 31, 221-230.	2.4	19
116	Performance of the BG1Luc ER TA method in a qHTS format. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 287-96.	0.9	4
117	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.	2.2	19
118	Detection of Phospholipidosis Induction: A Cell-Based Assay in High-Throughput and High-Content Format. Journal of Biomolecular Screening, 2014, 19, 66-76.	2.6	45
119	Predictive Endocrine Testing in the 21st Century Using in Vitro Assays of Estrogen Receptor Signaling Responses. Environmental Science & Technology, 2014, 48, 8706-8716.	4.6	71
120	Inhibition of HERG potassium channels by domiphen bromide and didecyl dimethylammonium bromide. European Journal of Pharmacology, 2014, 737, 202-209.	1.7	5
121	Identification of novel PARP inhibitors using a cell-based TDP1 inhibitory assay in a quantitative high-throughput screening platform. DNA Repair, 2014, 21, 177-182.	1.3	21
122	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.	1.4	27
123	Profiling of the Tox21 10K compound library for agonists and antagonists of the estrogen receptor alpha signaling pathway. Scientific Reports, 2014, 4, 5664.	1.6	167
124	Quantitative High-Throughput Profiling of Environmental Chemicals and Drugs that Modulate Farnesoid X Receptor. Scientific Reports, 2014, 4, 6437.	1.6	51
125	Identification of Thyroid Hormone Receptor Active Compounds Using a Quantitative High-Throughput Screening Platform. Current Chemical Genomics and Translational Medicine, 2014, 8, 36-46.	4.3	21
126	Systematic Study of Mitochondrial Toxicity of Environmental Chemicals Using Quantitative High Throughput Screening. Chemical Research in Toxicology, 2013, 26, 1323-1332.	1.7	72

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127	Are hERG channel blockers also phospholipidosis inducers?. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4587-4590.	1.0	40
128	Human Cell Toxicogenomic Analysis Linking Reactive Oxygen Species to the Toxicity of Monohaloacetic Acid Drinking Water Disinfection Byproducts. Environmental Science & Technology, 2013, 47, 12514-12523.	4.6	108
129	Identification of Novel Activators of Constitutive Androstane Receptor from FDA-Approved Drugs by Integrated Computational and Biological Approaches. Pharmaceutical Research, 2013, 30, 489-501.	1.7	42
130	Mechanism of HERG potassium channel inhibition by tetra-n-octylammonium bromide and benzethonium chloride. Toxicology and Applied Pharmacology, 2013, 267, 155-166.	1.3	14
131	Mechanism-based testing strategy using in vitro approaches for identification of thyroid hormone disrupting chemicals. Toxicology in Vitro, 2013, 27, 1320-1346.	1.1	165
132	The Tox21 robotic platform for the assessment of environmental chemicals â€“ from vision to reality. Drug Discovery Today, 2013, 18, 716-723.	3.2	235
133	Bisphenol A affects androgen receptor function via multiple mechanisms. Chemico-Biological Interactions, 2013, 203, 556-564.	1.7	154
134	Using in Vitro High Throughput Screening Assays to Identify Potential Endocrine-Disrupting Chemicals. Environmental Health Perspectives, 2013, 121, 7-14.	2.8	134
135	Identification of repurposed small molecule drugs for chordoma therapy. Cancer Biology and Therapy, 2013, 14, 638-647.	1.5	32
136	A Novel Chordoma Xenograft Allows In Vivo Drug Testing and Reveals the Importance of NF-Î²B Signaling in Chordoma Biology. PLoS ONE, 2013, 8, e79950.	1.1	23
137	Perspectives on validation of high-throughput assays supporting 21st century toxicity testing. ALTEX: Alternatives To Animal Experimentation, 2013, 30, 51-66.	0.9	118
138	Profiling Environmental Chemicals for Activity in the Antioxidant Response Element Signaling Pathway Using a High Throughput Screening Approach. Environmental Health Perspectives, 2012, 120, 1150-1156.	2.8	42
139	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, 5423-5428.	3.3	104
140	Quantitative High-Throughput Screening for Chemical Toxicity in a Population-Based In Vitro Model. Toxicological Sciences, 2012, 126, 578-588.	1.4	47
141	Assessment of Compound Hepatotoxicity Using Human Plateable Cryopreserved Hepatocytes in a 1536-Well-Plate Format. Assay and Drug Development Technologies, 2012, 10, 78-87.	0.6	22
142	Application of a homogenous membrane potential assay to assess mitochondrial function. Physiological Genomics, 2012, 44, 495-503.	1.0	77
143	The role of tumour necrosis factor-Â and tumour necrosis factor receptor signalling in inflammation-associated systemic genotoxicity. Mutagenesis, 2012, 27, 77-86.	1.0	41
144	Paradigm Shift in Toxicity Testing and Modeling. AAPS Journal, 2012, 14, 473-480.	2.2	79

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145	Prediction of Cytochrome P450 Profiles of Environmental Chemicals with QSAR Models Built from Drugâ€Like Molecules. Molecular Informatics, 2012, 31, 783-792.	1.4	21
146	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, 1037-1043.	3.6	221
147	Structure Based Model for the Prediction of Phospholipidosis Induction Potential of Small Molecules. Journal of Chemical Information and Modeling, 2012, 52, 1798-1805.	2.5	28
148	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.	3.3	1
149	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. ACS Medicinal Chemistry Letters, 2012, 3, 112-117.	1.3	52
150	Identification of quaternary ammonium compounds as potent inhibitors of hERG potassium channels. Toxicology and Applied Pharmacology, 2011, 252, 250-258.	1.3	34
151	Phosphodiesterase 4 inhibitors enhance sexual pleasure-seeking activity in rodents. Pharmacology Biochemistry and Behavior, 2011, 98, 349-355.	1.3	2
152	Synthesis and evaluation of quinazolin-4-ones as hypoxia-inducible factor-1Î± inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5239-5243.	1.0	10
153	Inhibition of Morphine-Induced cAMP Overshoot: A Cell-Based Assay Model in a High-Throughput Format. Cellular and Molecular Neurobiology, 2011, 31, 901-907.	1.7	19
154	Characterization of environmental chemicals with potential for DNA damage using isogenic DNA repairâ€deficient chicken DT40 cell lines. Environmental and Molecular Mutagenesis, 2011, 52, 547-561.	0.9	47
155	Identification of Clinically Used Drugs That Activate Pregnane X Receptors. Drug Metabolism and Disposition, 2011, 39, 151-159.	1.7	91
156	Chemical Genomics Profiling of Environmental Chemical Modulation of Human Nuclear Receptors. Environmental Health Perspectives, 2011, 119, 1142-1148.	2.8	189
157	Two High Throughput Screen Assays for Measurement of TNF-Î± in THP-1 Cells. Current Chemical Genomics, 2011, 5, 21-29.	2.0	23
158	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.	3.2	255
159	Identification of known drugs that act as inhibitors of NF-ÎºB signaling and their mechanism of action. Biochemical Pharmacology, 2010, 79, 1272-1280.	2.0	214
160	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, 2412-2417.	3.3	52
161	The Pilot Phase of the NIH Chemical Genomics Center. Current Topics in Medicinal Chemistry, 2009, 9, 1181-1193.	1.0	28
162	Weighted Feature Significance: A Simple, Interpretable Model of Compound Toxicity Based on the Statistical Enrichment of Structural Features. Toxicological Sciences, 2009, 112, 385-393.	1.4	33

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163	Identification of Chemical Compounds that Induce HIF-1Î± Activity. Toxicological Sciences, 2009, 112, 153-163.	1.4	55
164	Cardiac Glycosides Inhibit p53 Synthesis by a Mechanism Relieved by Src or MAPK Inhibition. Cancer Research, 2009, 69, 6556-6564.	0.4	105
165	Exploration and optimization of substituted triazolothiadiazines and triazolopyridazines as PDE4 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3686-3692.	1.0	44
166	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, 30-38.	1.1	62
167	Identification of small molecule compounds that inhibit the HIF-1 signaling pathway. Molecular Cancer, 2009, 8, 117.	7.9	26
168	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.	2.9	14
169	HTS-Compatible Î²-Lactamase Transcriptional Reporter Gene Assay for Interrogating the Heat Shock Response Pathway. Current Chemical Genomics, 2009, 3, 1-6.	2.0	8
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