Toine F H Bovee

List of Publications by Year
in descending order

69 papers	2,073 citations	201674 27 h-index	254184 43 g-index
70 all docs	70 docs citations	70 times ranked	2234 citing authors

#	Article	IF	Citations
1	Rapid yeast estrogen bioassays stably expressing human estrogen receptors Î± and Î², and green fluorescent protein: a comparison of different compounds with both receptor types. Journal of Steroid Biochemistry and Molecular Biology, 2004, 91, 99-109.	2.5	167
2	Urine Testing for Designer Steroids by Liquid Chromatography with Androgen Bioassay Detection and Electrospray Quadrupole Time-of-Flight Mass Spectrometry Identification. Analytical Chemistry, 2006, 78, 424-431.	6.5	130
3	Structural bisphenol analogues differentially target steroidogenesis in murine MA-10 Leydig cells as well as the glucocorticoid receptor. Toxicology, 2015, 329, 10-20.	4.2	104
4	Validation and use of the CALUXâ€bioassay for the determination of dioxins and PCBs in bovine milk. Food Additives and Contaminants, 1998, 15, 863-875.	2.0	91
5	A new highly specific and robust yeast androgen bioassay for the detection of agonists and antagonists. Analytical and Bioanalytical Chemistry, 2007, 389, 1549-1558.	3.7	91
6	Development of a rapid yeast estrogen bioassay, based on the expression of green fluorescent protein. Gene, 2004, 325, 187-200.	2.2	90
7	Prenylated isoflavonoids from plants as selective estrogen receptor modulators (phytoSERMs). Food and Function, 2012, 3, 810.	4.6	88
8	Screening of synthetic and plant-derived compounds for (anti)estrogenic and (anti)androgenic activities. Analytical and Bioanalytical Chemistry, 2008, 390, 1111-1119.	3.7	77
9	Increasing Soy Isoflavonoid Content and Diversity by Simultaneous Malting and Challenging by a Fungus to Modulate Estrogenicity. Journal of Agricultural and Food Chemistry, 2011, 59, 6748-6758.	5.2	58
10	First Report on the Occurrence of Tetrodotoxins in Bivalve Mollusks in The Netherlands. Toxins, 2018, 10, 450.	3.4	54
11	Screening for Modulatory Effects on Steroidogenesis Using the Human H295R Adrenocortical Cell Line: A Metabolomics Approach. Chemical Research in Toxicology, 2012, 25, 1720-1731.	3.3	50
12	Detection of anabolic steroids in dietary supplements: The added value of an androgen yeast bioassay in parallel with a liquid chromatographyâ€"tandem mass spectrometry screening method. Analytica Chimica Acta, 2009, 637, 305-314.	5.4	44
13	Agonistic and antagonistic estrogens in licorice root (Glycyrrhiza glabra). Analytical and Bioanalytical Chemistry, 2011, 401, 305-313.	3.7	43
14	Validation and application of a robust yeast estrogen bioassay for the screening of estrogenic activity in animal feed. Food Additives and Contaminants, 2006, 23, 556-568.	2.0	42
15	Bioassays for the detection of growth-promoting agents, veterinary drugs and environmental contaminants in foodâ€. Analyst, The, 1999, 124, 79-85.	3.5	41
16	A new highly androgen specific yeast biosensor, enabling optimisation of (Q)SAR model approaches. Journal of Steroid Biochemistry and Molecular Biology, 2008, 108, 121-131.	2.5	39
17	Recombinant cell bioassays for the detection of (gluco)corticosteroids and endocrine-disrupting potencies of several environmental PCB contaminants. Analytical and Bioanalytical Chemistry, 2011, 401, 873-882.	3.7	39
18	Marine neurotoxins: State of the art, bottlenecks, and perspectives for mode of action based methods of detection in seafood. Molecular Nutrition and Food Research, 2014, 58, 87-100.	3.3	36

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19	Validation of a rapid yeast estrogen bioassay, based on the expression of green fluorescent protein, for the screening of estrogenic activity in calf urine. Analytica Chimica Acta, 2005, 529, 57-64.	5.4	35
20	Bioassay-Directed Identification of Estrogen Residues in Urine by Liquid Chromatography Electrospray Quadrupole Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2004, 76, 6600-6608.	6.5	34
21	Validation and application of a yeast bioassay for screening androgenic activity in calf urine and feed. Analytica Chimica Acta, 2009, 637, 225-234.	5.4	32
22	SERMs and SARMs: Detection of their activities with yeast based bioassays. Journal of Steroid Biochemistry and Molecular Biology, 2010, 118, 85-92.	2.5	32
23	The use of the DR CALUXÂ® bioassay and indicator polychlorinated biphenyls for screening of elevated levels of dioxins and dioxin-like polychlorinated biphenyls in eel. Molecular Nutrition and Food Research, 2006, 50, 945-957.	3.3	30
24	Endocrine-Disrupting Effects of Thioxanthone Photoinitiators. Toxicological Sciences, 2013, 132, 64-74.	3.1	29
25	Glyceollins and dehydroglyceollins isolated from soybean act as SERMs and ER subtype-selective phytoestrogens. Journal of Steroid Biochemistry and Molecular Biology, 2016, 156, 53-63.	2.5	29
26	AhR-agonistic, anti-androgenic, and anti-estrogenic potencies of 2-isopropylthioxanthone (ITX) as determined by in vitro bioassays and gene expression profiling. Toxicology in Vitro, 2010, 24, 1619-1628.	2.4	28
27	Robust Array-Based Coregulator Binding Assay Predicting ERÎ±-Agonist Potency and Generating Binding Profiles Reflecting Ligand Structure. Chemical Research in Toxicology, 2013, 26, 336-346.	3.3	28
28	Anti-Androgenic Activity of <i>Nardostachys jatamansi</i> DC and <i>Tribulus terrestris</i> L. and Their Beneficial Effects on Polycystic Ovary Syndromeâ€“Induced Rat Models. Metabolic Syndrome and Related Disorders, 2015, 13, 248-254.	1.3	28
29	Quantitative in vitro-to-in vivo extrapolation (QIVIVE) of estrogenic and anti-androgenic potencies of BPA and BADGE analogues. Archives of Toxicology, 2019, 93, 1941-1953.	4.2	28
30	The ultimate veal calf reference experiment: Hormone residue analysis data obtained by gas and liquid chromatography tandem mass spectrometry. Analytica Chimica Acta, 2007, 586, 30-34.	5.4	27
31	Extending an In Vitro Panel for Estrogenicity Testing: The Added Value of Bioassays for Measuring Antiandrogenic Activities and Effects on Steroidogenesis. Toxicological Sciences, 2014, 141, 78-89.	3.1	27
32	Some OH-PCBs are more potent inhibitors of aromatase activity and (anti-) glucocorticoids than non-dioxin like (NDL)-PCBs and MeSO2-PCBs. Toxicology Letters, 2011, 206, 158-165.	0.8	26
33	Tailored Microarray Platform for the Detection of Marine Toxins. Environmental Science & Technology, 2011, 45, 8965-8973.	10.0	24
34	Selective androgen receptor modulators:in vitroandin vivometabolism and analysis. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 1517-1526.	2.3	24
35	Exploration of new functional endpoints in neuro-2a cells for the detection of the marine biotoxins saxitoxin, palytoxin and tetrodotoxin. Toxicology in Vitro, 2015, 30, 341-347.	2.4	23
36	Proliferation assays for estrogenicity testing with high predictive value for the in vivo uterotrophic effect. Journal of Steroid Biochemistry and Molecular Biology, 2012, 128, 98-106.	2.5	20

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37	Involvement of a Hydrophobic Pocket and Helixâ€...11 in Determining the Modes of Action of Prenylated Flavonoids and Isoflavonoids in the Human Estrogen Receptor. ChemBioChem, 2015, 16, 2668-2677.	2.6	20
38	Towards an integrated <i>in vitro</i> strategy for estrogenicity testing. Journal of Applied Toxicology, 2014, 34, 1031-1040.	2.8	17
39	Screening for the presence of lipophilic marine biotoxins in shellfish samples using the neuro-2a bioassay. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 351-365.	2.3	16
40	In vitro detection of cardiotoxins or neurotoxins affecting ion channels or pumps using beating cardiomyocytes as alternative for animal testing. Toxicology in Vitro, 2015, 29, 281-288.	2.4	15
41	Structural Changes of 6a-Hydroxy-Pterocarpans Upon Heating Modulate Their Estrogenicity. Journal of Agricultural and Food Chemistry, 2014, 62, 10475-10484.	5.2	14
42	Prenylation and Backbone Structure of Flavonoids and Isoflavonoids from Licorice and Hop Influence Their Phase I and II Metabolism. Journal of Agricultural and Food Chemistry, 2015, 63, 10628-10640.	5.2	14
43	Dietary supplement for energy and reduced appetite containing the Î²-agonist isopropyloctopamine leads to heart problems and hospitalisations. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 749-759.	2.3	14
44	Applicability of a yeast bioassay in the detection of steroid esters in hair. Analytical and Bioanalytical Chemistry, 2011, 399, 1031-1039.	3.7	13
45	Aryl hydrocarbon receptor (AhR) inducers and estrogen receptor (ER) activities in surface sediments of Three Gorges Reservoir, China evaluated with in vitro cell bioassays. Environmental Science and Pollution Research, 2014, 21, 3145-3155.	5.3	13
46	A Strategy to Replace the Mouse Bioassay for Detecting and Identifying Lipophilic Marine Biotoxins by Combining the Neuro-2a Bioassay and LC-MS/MS Analysis. Marine Drugs, 2018, 16, 501.	4.6	13
47	Inter-laboratory comparison of a yeast bioassay for the determination of estrogenic activity in biological samples. Analytica Chimica Acta, 2009, 637, 265-272.	5.4	12
48	Bovine liver slices: A multifunctional in vitro model to study the prohormone dehydroepiandrosterone (DHEA). Toxicology in Vitro, 2012, 26, 1014-1021.	2.4	12
49	Investigation of urinary steroid metabolites in calf urine after oral and intramuscular administration of DHEA. Analytical and Bioanalytical Chemistry, 2010, 396, 799-808.	3.7	11
50	Bioassay based screening of steroid derivatives in animal feed and supplements. Analytica Chimica Acta, 2011, 700, 183-188.	5.4	10
51	Simple and rapid in vitro assay for detecting human thyroid peroxidase disruption. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 191-200.	1.5	10
52	Validation of a recombinant cell bioassay for the detection of (gluco)corticosteroids in feed. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 264-271.	2.3	8
53	Maternal exposure to mixtures of dienestrol, linuron and flutamide. Part I: Feminization effects on male rat offspring. Food and Chemical Toxicology, 2020, 139, 111256.	3.6	8
54	Are effects of common ragwort in the Ames test caused by pyrrolizidine alkaloids?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 778, 1-10.	1.0	7

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55	Effects and detection of Nandrosol and ractopamine administration in veal calves. Food Chemistry, 2017, 221, 706-713.	8.2	7
56	PDE-5 inhibitors in selected herbal supplements from the Ghanaian market for better erectile function as tested by a bioassay. Toxicology in Vitro, 2021, 73, 105130.	2.4	6
57	An evolvable oestrogen receptor activity sensor: development of a modular system for integrating multiple genes into the yeast genome. Yeast, 2007, 24, 379-390.	1.7	5
58	Validation of the REA bioassay to detect estrogenic activity in the water cycle. Toxicology in Vitro, 2011, 25, 2003-2009.	2.4	5
59	Impurities in technical mixtures of chlorinated paraffins show AhR agonist properties as determined by the DR-CALUX bioassay. Toxicology in Vitro, 2021, 72, 105098.	2.4	5
60	Characterisation and validation of an in vitro transactivation assay based on the 22Rv1/MMTV_GR-KO cell line to detect human androgen receptor agonists and antagonists. Food and Chemical Toxicology, 2021, 152, 112206.	3.6	5
61	Persistent aryl hydrocarbon receptor inducers increase with altitude, and estrogen-like disrupters are low in soils of the Alps. Environmental Science and Pollution Research, 2011, 18, 99-110.	5.3	4
62	Bioactivity screening and mass spectrometric confirmation for the detection of PPARÎ´ agonists that increase type 1 muscle fibres. Analytical and Bioanalytical Chemistry, 2014, 406, 705-713.	3.7	4
63	Detection of methionine- and alanine-recombinant bovine somatotropins and their induced antibodies in serum and milk of cows suggests blood-milk barrier specificity for these compounds. Journal of Dairy Science, 2021, 104, 5069-5078.	3.4	4
64	A low-density DNA microchip for the detection of (anti-)estrogenic compounds and their relative potencies. Analytical Biochemistry, 2013, 435, 83-92.	2.4	3
65	Maternal exposure to mixtures of dienestrol, linuron and flutamide. Part II: Endocrine-related gene expression assessment on male offspring rat testes. Food and Chemical Toxicology, 2020, 144, 111603.	3.6	3
66	Estrogen Receptor Agonists and Antagonists in the Yeast Estrogen Bioassay. Methods in Molecular Biology, 2016, 1366, 337-342.	0.9	3
67	Detection and profiling of diarrheic marine biotoxins in shellfish by mRNA analysis of exposed Caco-2 cells using qRT-PCR and multiplex magnetic bead-based assays. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 203-214.	1.5	3
68	Hormones and &;#x003B2;&;#x02010;Agonists. , 2016, , 141-244.		1
69	Microsphere Peptide-Based Immunoassay for the Detection of Recombinant Bovine Somatotropin in Injection Preparations. Biosensors, 2022, 12, 138.	4.7	0