Enrico Mombelli

List of Publications by Year
in descending order

36 papers	1,356 citations	471509 17 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	1949 citing authors

#	Article	IF	Citations
1	Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505.	4.2	282
2	Applying quantitative structureâ€“activity relationship approaches to nanotoxicology: Current status and future potential. Toxicology, 2013, 313, 15-23.	4.2	151
3	The Membrane Domains Occupied by Glycosylphosphatidylinositol-anchored Prion Protein and Thy-1 Differ in Lipid Composition. Journal of Biological Chemistry, 2004, 279, 7530-7536.	3.4	147
4	Hydrogen-Bonding Propensities of Sphingomyelin in Solution and in a Bilayer Assembly: A Molecular Dynamics Study. Biophysical Journal, 2003, 84, 1507-1517.	0.5	121
5	The Role of Phenylalanine 31 in Maintaining the Conformational Stability of Ribonuclease P2 fromSulfolobus solfataricusunder Extreme Conditions of Temperature and Pressureâ€. Biochemistry, 1997, 36, 8733-8742.	2.5	73
6	A Physiologically Based Toxicokinetic Model for the Zebrafish Danio rerio. Environmental Science & Technology, 2014, 48, 781-790.	10.0	61
7	QSAR Modeling of ToxCast Assays Relevant to the Molecular Initiating Events of AOPs Leading to Hepatic Steatosis. Journal of Chemical Information and Modeling, 2018, 58, 1501-1517.	5.4	61
8	Evaluation of QSAR Models for the Prediction of Ames Genotoxicity: A Retrospective Exercise on the Chemical Substances Registered Under the EU REACH Regulation. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2014, 32, 273-298.	2.9	57
9	Exploring an ecotoxicity database with the OECD (Q)SAR Toolbox and DRAGON descriptors in order to prioritise testing on algae, daphnids, and fish. Science of the Total Environment, 2011, 409, 3334-3343.	8.0	48
10	Perspectives for integrating human and environmental risk assessment and synergies with socio-economic analysis. Science of the Total Environment, 2013, 456-457, 307-316.	8.0	37
11	Prediction of dose-hepatotoxic response in humans based on toxicokinetic/toxicodynamic modeling with or without in vivo data: A case study with acetaminophen. Toxicology Letters, 2013, 220, 26-34.	0.8	31
12	Evaluation of the OECD (Q)SAR Application Toolbox and Toxtree for predicting and profiling the carcinogenic potential of chemicals. SAR and QSAR in Environmental Research, 2010, 21, 731-752.	2.2	30
13	Rafts, Little Caves and Large Potholes: How Lipid Structure Interacts with Membrane Proteins to Create Functionally Diverse Membrane Environments. Sub-Cellular Biochemistry, 2004, 37, 35-118.	2.4	27
14	Structural alerts for estimating the carcinogenicity of pesticides and biocides. SAR and QSAR in Environmental Research, 2011, 22, 89-106.	2.2	25
15	Evaluation of the OECD QSAR Application Toolbox and Toxtree for estimating the mutagenicity of chemicals. Part 1. Aromatic amines. SAR and QSAR in Environmental Research, 2010, 21, 753-769.	2.2	19
16	Androgen receptor binding affinity: a QSAR evaluation. SAR and QSAR in Environmental Research, 2011, 22, 265-291.	2.2	19
17	Evaluation of the OECD (Q)SAR Application Toolbox for the profiling of estrogen receptor binding affinities. SAR and QSAR in Environmental Research, 2012, 23, 37-57.	2.2	18
18	Results of a round-robin exercise on read-across. SAR and QSAR in Environmental Research, 2016, 27, 371-384.	2.2	18

#	Article	IF	Citations
19	Read-across and new approach methodologies applied in a 10-step framework for cosmetics safety assessment â€“ A case study with parabens. Regulatory Toxicology and Pharmacology, 2022, 132, 105161.	2.7	18
20	An Evaluation of the Predictive Ability of the QSAR Software Packages, DEREK, HAZARDEXPERT and TOPKAT, to Describe Chemically-induced Skin Irritation. ATLA Alternatives To Laboratory Animals, 2008, 36, 15-24.	1.0	17
21	What can be learnt from an ecotoxicity database in the framework of the REACh regulation?. Science of the Total Environment, 2011, 409, 489-494.	8.0	15
22	Evaluation of the OECD QSAR Application Toolbox and Toxtree for estimating the mutagenicity of chemicals. Part 2. Î±-Î² unsaturated aliphatic aldehydes. SAR and QSAR in Environmental Research, 2010, 21, 771-783.	2.2	14
23	Maximumâ€Likelihood Estimation of Predictive Uncertainty in Probabilistic QSAR Modeling. QSAR and Combinatorial Science, 2009, 28, 338-344.	1.4	10
24	The individual tyrosines of proteins: their spectra may or may not differ from those in water or other solvents. BBA - Proteins and Proteomics, 1999, 1431, 238-248.	2.1	9
25	Substance-tailored testing strategies in toxicology: An in silico methodology based on QSAR modeling of toxicological thresholds and Monte Carlo simulations of toxicological testing. Regulatory Toxicology and Pharmacology, 2010, 56, 82-92.	2.7	8
26	In Silico Prediction of Chemically Induced Mutagenicity: How to Use QSAR Models and Interpret Their Results. Methods in Molecular Biology, 2016, 1425, 87-105.	0.9	8
27	Evaluation of the OECD QSAR toolbox automatic workflow for the prediction of the acute toxicity of organic chemicals to fathead minnow. Regulatory Toxicology and Pharmacology, 2021, 122, 104893.	2.7	7
28	Photolysis of estrone generates estrogenic photoproducts with higher activity than the parent compound. Environmental Science and Pollution Research, 2014, 21, 7818-7827.	5.3	6
29	A Kernelâ€Based Method for Assessing Uncertainty on Individual QSAR Predictions. Molecular Informatics, 2012, 31, 741-751.	2.5	5
30	In Silico Prediction of Chemically Induced Mutagenicity: A Weight of Evidence Approach Integrating Information from QSAR Models and Read-Across Predictions. Methods in Molecular Biology, 2022, 2425, 149-183.	0.9	5
31	Prediction of the Partition Coefficient between Adipose Tissue and Blood for Environmental Chemicals: From Single QSAR Models to an Integrated Approach. Molecular Informatics, 2021, 40, e2000072.	2.5	3
32	3D QSAR Study of Human PLA2 Inhibitors. A Modeling Approach to Select New and Specific Anti-Inflammatory Drugs. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2006, 5, 175-187.	1.1	2
33	A Linear Model to Predict Chronic Effects of Chemicals on Daphnia magna. Bulletin of Environmental Contamination and Toxicology, 2011, 87, 494-498.	2.7	2
34	Protein folding and unfolding pathways under high pressure. High Pressure Research, 2000, 19, 297-301.	1.2	1
35	Modelling Structure Activity Landscapes with Cliffs: a Kernel Regressionâ€Based Approach. Molecular Informatics, 2013, 32, 609-623.	2.5	1
36	Structural prerequisites for the stability of Sso7d from the archaeonSulfolobus solfataricus versushigh pressure and temperature. High Pressure Research, 2000, 19, 311-316.	1.2	0