

Hugo M Neels

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

229
papers

14,136
citations

68
h-index

110
g-index

237
ext. papers

15,337
ext. citations

6.6
avg, IF

6.19
L-index

#	Paper	IF	Citations
229	Increased serum IL-6 and IL-1 receptor antagonist concentrations in major depression and treatment resistant depression. <i>Cytokine</i> , 1997 , 9, 853-8	4	565
228	The effects of psychological stress on humans: increased production of pro-inflammatory cytokines and a Th1-like response in stress-induced anxiety. <i>Cytokine</i> , 1998 , 10, 313-8	4	564
227	Lowered omega3 polyunsaturated fatty acids in serum phospholipids and cholesteryl esters of depressed patients. <i>Psychiatry Research</i> , 1999 , 85, 275-91	9.9	359
226	Analytical developments and preliminary assessment of human exposure to organophosphate flame retardants from indoor dust. <i>Environment International</i> , 2011 , 37, 454-61	12.9	331
225	Illicit drug consumption estimations derived from wastewater analysis: a critical review. <i>Science of the Total Environment</i> , 2011 , 409, 3564-77	10.2	294
224	Occurrence of alternative flame retardants in indoor dust from New Zealand: indoor sources and human exposure assessment. <i>Chemosphere</i> , 2012 , 88, 1276-82	8.4	250
223	Concentrations of brominated flame retardants in dust from United Kingdom cars, homes, and offices: causes of variability and implications for human exposure. <i>Environment International</i> , 2008 , 34, 1170-5	12.9	233
222	Recent developments in the analysis of brominated flame retardants and brominated natural compounds. <i>Journal of Chromatography A</i> , 2007 , 1153, 145-71	4.5	229
221	Erythropoietin response is blunted in critically ill patients. <i>Intensive Care Medicine</i> , 1997 , 23, 159-62	14.5	218
220	First insights in the metabolism of phosphate flame retardants and plasticizers using human liver fractions. <i>Toxicology Letters</i> , 2013 , 223, 9-15	4.4	215
219	Lower serum vitamin E concentrations in major depression. Another marker of lowered antioxidant defenses in that illness. <i>Journal of Affective Disorders</i> , 2000 , 58, 241-6	6.6	215
218	Lower serum high-density lipoprotein cholesterol (HDL-C) in major depression and in depressed men with serious suicidal attempts: relationship with immune-inflammatory markers. <i>Acta Psychiatrica Scandinavica</i> , 1997 , 95, 212-21	6.5	212
217	Levels and profiles of organochlorines and flame retardants in car and house dust from Kuwait and Pakistan: implication for human exposure via dust ingestion. <i>Environment International</i> , 2013 , 55, 62-70	12.9	188
216	Lower serum zinc in major depression is a sensitive marker of treatment resistance and of the immune/inflammatory response in that illness. <i>Biological Psychiatry</i> , 1997 , 42, 349-58	7.9	184
215	Distribution of bisphenol-A, triclosan and n-nonylphenol in human adipose tissue, liver and brain. <i>Chemosphere</i> , 2012 , 87, 796-802	8.4	180
214	Assessment of human exposure to Bisphenol-A, Triclosan and Tetrabromobisphenol-A through indoor dust intake in Belgium. <i>Chemosphere</i> , 2009 , 76, 755-60	8.4	178
213	Age as a determinant of phosphate flame retardant exposure of the Australian population and identification of novel urinary PFR metabolites. <i>Environment International</i> , 2015 , 74, 1-8	12.9	172

212	Sewage epidemiology--a real-time approach to estimate the consumption of illicit drugs in Brussels, Belgium. <i>Environment International</i> , 2011 , 37, 612-21	12.9	172
211	Analysis of cocaine and its principal metabolites in waste and surface water using solid-phase extraction and liquid chromatography-ion trap tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 1309-19	4.4	169
210	"Novel" brominated flame retardants in Belgian and UK indoor dust: implications for human exposure. <i>Chemosphere</i> , 2011 , 83, 1360-5	8.4	164
209	Obesity and persistent organic pollutants: possible obesogenic effect of organochlorine pesticides and polychlorinated biphenyls. <i>Obesity</i> , 2011 , 19, 709-14	8	159
208	Dietary PBDE intake: a market-basket study in Belgium. <i>Environment International</i> , 2007 , 33, 93-7	12.9	158
207	Multi-residue method for the determination of brominated and organophosphate flame retardants in indoor dust. <i>Talanta</i> , 2012 , 89, 292-300	6.2	156
206	Prognostic value of gastric intramural pH in surgical intensive care patients. <i>Critical Care Medicine</i> , 1988 , 16, 1222-4	1.4	148
205	Comprehensive Study of Human External Exposure to Organophosphate Flame Retardants via Air, Dust, and Hand Wipes: The Importance of Sampling and Assessment Strategy. <i>Environmental Science & Technology</i> , 2016 , 50, 7752-60	10.3	143
204	Exposure to hexabromocyclododecanes (HBCDs) via dust ingestion, but not diet, correlates with concentrations in human serum: preliminary results. <i>Environmental Health Perspectives</i> , 2009 , 117, 1707-12	8.4	140
203	Analysis of organophosphate flame retardant diester metabolites in human urine by liquid chromatography electrospray ionisation tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1303, 48-53	4.5	123
202	Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in human liver and adipose tissue samples from Belgium. <i>Chemosphere</i> , 2008 , 73, 170-5	8.4	122
201	Cocaine and metabolites in waste and surface water across Belgium. <i>Environmental Pollution</i> , 2009 , 157, 123-9	9.3	118
200	Spatial and temporal variations in the occurrence of cocaine and benzoylecgonine in waste- and surface water from Belgium and removal during wastewater treatment. <i>Water Research</i> , 2009 , 43, 1341-9	12.5	117
199	Therapeutic drug monitoring of old and newer anti-epileptic drugs. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 1228-55	5.9	116
198	Country specific comparison for profile of chlorinated, brominated and phosphate organic contaminants in indoor dust. Case study for Eastern Romania, 2010. <i>Environment International</i> , 2012 , 49, 1-8	12.9	114
197	Can cocaine use be evaluated through analysis of wastewater? A nation-wide approach conducted in Belgium. <i>Addiction</i> , 2009 , 104, 734-41	4.6	109
196	Intake of bisphenol A from canned beverages and foods on the Belgian market. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010 , 27, 1627-37	3.2	105
195	Lower serum zinc in major depression in relation to changes in serum acute phase proteins. <i>Journal of Affective Disorders</i> , 1999 , 56, 189-94	6.6	104

194	Levels of bisphenol-A in thermal paper receipts from Belgium and estimation of human exposure. <i>Science of the Total Environment</i> , 2012 , 435-436, 30-3	10.2	102
193	Analysis of drugs of abuse in wastewater by hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 819-28	4.4	101
192	Hair ethyl glucuronide levels as a marker for alcohol use and abuse: a review of the current state of the art. <i>Drug and Alcohol Dependence</i> , 2014 , 134, 1-11	4.9	97
191	Simultaneous determination of bisphenol A, triclosan, and tetrabromobisphenol A in human serum using solid-phase extraction and gas chromatography-electron capture negative-ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 1175-81	4.4	95
190	Evaluation of total lipids using enzymatic methods for the normalization of persistent organic pollutant levels in serum. <i>Science of the Total Environment</i> , 2006 , 366, 361-6	10.2	94
189	Assessment of human exposure to indoor organic contaminants via dust ingestion in Pakistan. <i>Indoor Air</i> , 2012 , 22, 200-11	5.4	93
188	In humans, serum polyunsaturated fatty acid levels predict the response of proinflammatory cytokines to psychological stress. <i>Biological Psychiatry</i> , 2000 , 47, 910-20	7.9	93
187	Biomagnification of PBDEs in three small terrestrial food chains. <i>Environmental Science & Technology</i> , 2007 , 41, 411-6	10.3	91
186	The effects of psychological stress on leukocyte subset distribution in humans: evidence of immune activation. <i>Neuropsychobiology</i> , 1999 , 39, 1-9	4	89
185	The stability of illicit drugs and metabolites in wastewater, an important issue for sewage epidemiology?. <i>Journal of Hazardous Materials</i> , 2012 , 239-240, 19-23	12.8	87
184	Organohalogenated pollutants in human serum from Iassy, Romania and their relation with age and gender. <i>Environment International</i> , 2006 , 32, 797-803	12.9	84
183	Downsides of the recycling process: harmful organic chemicals in children's toys. <i>Environment International</i> , 2014 , 65, 54-62	12.9	83
182	Inflammatory markers in younger vs elderly normal volunteers and in patients with Alzheimer's disease. <i>Journal of Psychiatric Research</i> , 1999 , 33, 397-405	5.2	82
181	Seasonal variation in peripheral blood leukocyte subsets and in serum interleukin-6, and soluble interleukin-2 and -6 receptor concentrations in normal volunteers. <i>Experientia</i> , 1994 , 50, 821-9		81
180	Optimization and validation of a hydrophilic interaction liquid chromatography-tandem mass spectrometry method for the determination of 13 top-prescribed pharmaceuticals in influent wastewater. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 2211-22	4.4	80
179	Assay of Procarboxypeptidase U, a Novel Determinant of the Fibrinolytic Cascade, in Human Plasma. <i>Clinical Chemistry</i> , 1999 , 45, 807-813	5.5	80
178	Inter-species differences for polychlorinated biphenyls and polybrominated diphenyl ethers in marine top predators from the Southern North Sea: Part 1. Accumulation patterns in harbour seals and harbour porpoises. <i>Environmental Pollution</i> , 2009 , 157, 437-44	9.3	79
177	Brominated flame retardants and polychlorinated biphenyls in fish from the river Scheldt, Belgium. <i>Environment International</i> , 2008 , 34, 976-83	12.9	79

176	Therapeutic drug monitoring of common antipsychotics. <i>Therapeutic Drug Monitoring</i> , 2012 , 34, 629-51	3.2	78
175	Concentrations of synthetic musk compounds in personal care and sanitation products and human exposure profiles through dermal application. <i>Chemosphere</i> , 2007 , 69, 1540-7	8.4	78
174	Haptoglobin polymorphism, a genetic risk factor in coronary artery bypass surgery. <i>Atherosclerosis</i> , 1997 , 132, 215-9	3.1	77
173	Anthropogenic and naturally-produced organobrominated compounds in marine mammals from Brazil. <i>Environment International</i> , 2010 , 36, 60-67	12.9	76
172	The Haptoglobin 2-2 Phenotype Affects Serum Markers of Iron Status in Healthy Males. <i>Clinical Chemistry</i> , 2000 , 46, 1619-1625	5.5	76
171	Factors influencing concentrations of polybrominated diphenyl ethers (PBDEs) in students from Antwerp, Belgium. <i>Environmental Science & Technology</i> , 2009 , 43, 3535-41	10.3	74
170	Sewage-based epidemiology in monitoring the use of new psychoactive substances: Validation and application of an analytical method using LC-MS/MS. <i>Drug Testing and Analysis</i> , 2015 , 7, 812-8	3.5	73
169	Sensitive and selective method for the determination of bisphenol-A and triclosan in serum and urine as pentafluorobenzoate-derivatives using GC-ECNI/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 4042-6	3.2	73
168	Comparison of electron and chemical ionization modes by validation of a quantitative gas chromatographic-mass spectrometric assay of new generation antidepressants and their active metabolites in plasma. <i>Journal of Chromatography A</i> , 2007 , 1176, 236-45	4.5	73
167	Comparative evaluation of liquid chromatography-mass spectrometry versus gas chromatography-mass spectrometry for the determination of hexabromocyclododecanes and their degradation products in indoor dust. <i>Journal of Chromatography A</i> , 2008 , 1190, 333-41	4.5	73
166	Organohalogenated contaminants (OHCs) in the serum and hair of pet cats and dogs: biosentinels of indoor pollution. <i>Science of the Total Environment</i> , 2013 , 449, 29-36	10.2	72
165	Brominated flame retardants in Belgian home-produced eggs: levels and contamination sources. <i>Science of the Total Environment</i> , 2009 , 407, 4387-96	10.2	72
164	The immune-inflammatory pathophysiology of fibromyalgia: increased serum soluble gp130, the common signal transducer protein of various neurotrophic cytokines. <i>Psychoneuroendocrinology</i> , 1999 , 24, 371-83	5	72
163	Organochlorine contaminants in hair of adolescents from Iassy, Romania. <i>Chemosphere</i> , 2008 , 72, 16-20	8.4	69
162	Influence of psychological stress on immune-inflammatory variables in normal humans. Part II. Altered serum concentrations of natural anti-inflammatory agents and soluble membrane antigens of monocytes and T lymphocytes. <i>Psychiatry Research</i> , 1999 , 85, 293-303	9.9	68
161	Distribution of angiotensin converting enzyme in human tissues. <i>Clinica Chimica Acta</i> , 1985 , 147, 255-60	6.2	68
160	Analytical characteristics and determination of major novel brominated flame retardants (NBFRs) in indoor dust. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 3073-83	4.4	66
159	Exposure of the Flemish population to brominated flame retardants: model and risk assessment. <i>Environment International</i> , 2010 , 36, 368-376	12.9	66

158	Relevant issues in the monitoring and the toxicology of antidepressants. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2008 , 45, 25-89	9.4	66
157	Total serum protein and serum protein fractions in depression: relationships to depressive symptoms and glucocorticoid activity. <i>Journal of Affective Disorders</i> , 1995 , 34, 61-9	6.6	65
156	Preen oil as the main source of external contamination with organic pollutants onto feathers of the common magpie (<i>Pica pica</i>). <i>Environment International</i> , 2008 , 34, 741-8	12.9	64
155	Distribution of persistent organic pollutants in two different fat compartments from obese individuals. <i>Environment International</i> , 2013 , 55, 33-42	12.9	63
154	Anthropogenic and naturally occurring organobrominated compounds in two deep-sea fish species from the Mediterranean Sea. <i>Environmental Science & Technology</i> , 2008 , 42, 8654-60	10.3	63
153	Organophosphorus flame retardants in the European eel in Flanders, Belgium: Occurrence, fate and human health risk. <i>Environmental Research</i> , 2015 , 140, 604-10	7.9	62
152	Concentrations of chlorinated and brominated contaminants and their metabolites in serum of harbour seals and harbour porpoises. <i>Environment International</i> , 2009 , 35, 842-50	12.9	62
151	Biomagnification of anthropogenic and naturally-produced organobrominated compounds in a marine food web from Sydney Harbour, Australia. <i>Environment International</i> , 2009 , 35, 1142-9	12.9	62
150	Renin-angiotensin-aldosterone system in the healthy infant and child. <i>Kidney International</i> , 1979 , 16, 196-203	9.9	62
149	In vitro Phase I and Phase II metabolism of β -pyrrolidinovalerophenone (EPVP), methylenedioxypropylvalerone (MDPV) and methedrone by human liver microsomes and human liver cytosol. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5803-16	4.4	61
148	Multi-contaminant analysis of organophosphate and halogenated flame retardants in food matrices using ultrasonication and vacuum assisted extraction, multi-stage cleanup and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2015 , 1401, 33-41	4.5	59
147	Phthalate metabolites in obese individuals undergoing weight loss: Urinary levels and estimation of the phthalates daily intake. <i>Environment International</i> , 2013 , 59, 344-53	12.9	59
146	In vitro biotransformation of tris(2-butoxyethyl) phosphate (TBOEP) in human liver and serum. <i>Toxicology and Applied Pharmacology</i> , 2015 , 284, 246-53	4.6	59
145	Reference intervals for a complete blood count determined on different automated haematology analysers: Abx Pentra 120 Retic, Coulter Gen-S, Sysmex SE 9500, Abbott Cell Dyn 4000 and Bayer Advia 120. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002 , 40, 69-73	5.9	59
144	Alterations in iron metabolism and the erythron in major depression: further evidence for a chronic inflammatory process. <i>Journal of Affective Disorders</i> , 1996 , 40, 23-33	6.6	59
143	Effects of psychological stress on serum immunoglobulin, complement and acute phase protein concentrations in normal volunteers. <i>Psychoneuroendocrinology</i> , 1997 , 22, 397-409	5	58
142	Distribution of PCBs, their hydroxylated metabolites, and other phenolic contaminants in human serum from two European countries. <i>Environmental Science & Technology</i> , 2010 , 44, 2876-83	10.3	57
141	Serum creatine, creatinine, and other guanidino compounds in patients with thyroid dysfunction. <i>Metabolism: Clinical and Experimental</i> , 1997 , 46, 1063-7	12.7	57

140	Penguin colonies as secondary sources of contamination with persistent organic pollutants. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 822-5		57
139	In vitro and in vivo human metabolism of the synthetic cannabinoid AB-CHMINACA. <i>Drug Testing and Analysis</i> , 2015 , 7, 866-76	3.5	54
138	Polychlorinated biphenyl and organochlorine pesticide contamination signatures in deep-sea fish from the Mediterranean Sea. <i>Environmental Research</i> , 2009 , 109, 851-6	7.9	54
137	Spatial and temporal trends in alcohol consumption in Belgian cities: A wastewater-based approach. <i>Drug and Alcohol Dependence</i> , 2016 , 160, 170-6	4.9	52
136	High throughput identification and quantification of 16 antipsychotics and 8 major metabolites in serum using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2014 , 429, 51-8	6.2	51
135	Biomagnification of naturally-produced methoxylated polybrominated diphenyl ethers (MeO-PBDEs) in harbour seals and harbour porpoises from the southern North Sea. <i>Environment International</i> , 2009 , 35, 893-9	12.9	51
134	Determination of Carbohydrate-deficient Transferrin Using Capillary Zone Electrophoresis. <i>Clinical Chemistry</i> , 2001 , 47, 247-255	5.5	51
133	Kinetics of tris (1-chloro-2-propyl) phosphate (TCIPP) metabolism in human liver microsomes and serum. <i>Chemosphere</i> , 2016 , 144, 1299-305	8.4	50
132	The Belgian PCB/dioxin crisis-8 years later An overview. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 164-70	5.8	50
131	Components of biological, including seasonal, variation in hematological measurements and plasma fibrinogen concentrations in normal humans. <i>Experientia</i> , 1995 , 51, 141-9		50
130	Biochemical, metabolic and immune correlates of seasonal variation in violent suicide: a chronoepidemiologic study. <i>European Psychiatry</i> , 1996 , 11, 21-33	6	50
129	Assessment of dietary exposure to organohalogen contaminants, legacy and emerging flame retardants in a Norwegian cohort. <i>Environment International</i> , 2017 , 102, 236-243	12.9	49
128	Human exposure pathways to organophosphate flame retardants: Associations between human biomonitoring and external exposure. <i>Environment International</i> , 2019 , 127, 462-472	12.9	49
127	Optimization, validation, and the application of liquid chromatography-tandem mass spectrometry for the analysis of new drugs of abuse in wastewater. <i>Drug Testing and Analysis</i> , 2014 , 6, 861-7	3.5	49
126	Spatial variations in the levels and isomeric patterns of PBDEs and HBCDs in the European eel in Flanders. <i>Environment International</i> , 2010 , 36, 415-23	12.9	49
125	Reference values for plasma dipeptidyl-peptidase IV activity and their association with other laboratory parameters. <i>Clinical Chemistry and Laboratory Medicine</i> , 2001 , 39, 155-9	5.9	49
124	Lower serum L-tryptophan availability in depression as a marker of a more generalized disorder in protein metabolism. <i>Neuropsychopharmacology</i> , 1996 , 15, 243-51	8.7	49
123	A one year investigation of the occurrence of illicit drugs in wastewater from Brussels, Belgium. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 1008-16		48

122	An exposure study with polybrominated diphenyl ethers (PBDEs) in female European starlings (<i>Sturnus vulgaris</i>): toxicokinetics and reproductive effects. <i>Environmental Pollution</i> , 2009 , 157, 430-6	9.3	48
121	Peripheral markers of serotonergic and noradrenergic function in post-pubertal, caucasian males with autistic disorder. <i>Neuropsychopharmacology</i> , 2000 , 22, 275-83	8.7	48
120	Maternal transfer of organochlorines and brominated flame retardants in blue tits (<i>Cyanistes caeruleus</i>). <i>Environment International</i> , 2009 , 35, 69-75	12.9	46
119	Serotonin-immune interactions in major depression: lower serum tryptophan as a marker of an immune-inflammatory response. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1997 , 247, 154-61	5.1	46
118	Dietary PCB intake in Belgium. <i>Environmental Toxicology and Pharmacology</i> , 2008 , 25, 179-82	5.8	46
117	Ethyl glucuronide determination in meconium and hair by hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Forensic Science International</i> , 2010 , 196, 121-7	2.6	45
116	Lower serum dipeptidyl peptidase IV activity in treatment resistant major depression: relationships with immune-inflammatory markers. <i>Psychoneuroendocrinology</i> , 1997 , 22, 65-78	5	44
115	Effects of trazodone and fluoxetine in the treatment of major depression: therapeutic pharmacokinetic and pharmacodynamic interactions through formation of meta-chlorophenylpiperazine. <i>Journal of Clinical Psychopharmacology</i> , 1997 , 17, 358-64	1.7	44
114	Levels and profile of several classes of organic contaminants in matched indoor dust and serum samples from occupational settings of Pakistan. <i>Environmental Pollution</i> , 2014 , 193, 269-276	9.3	43
113	Dried blood spot punches for confirmation of suspected β -hydroxybutyric acid intoxications: validation of an optimized GC-MS procedure. <i>Bioanalysis</i> , 2011 , 3, 2271-81	2.1	43
112	Anthropogenic and naturally occurring organobrominated compounds in fish oil dietary supplements. <i>Environmental Science & Technology</i> , 2007 , 41, 5237-44	10.3	43
111	Lower total serum protein, albumin, and beta- and gamma-globulin in major and treatment-resistant depression: effects of antidepressant treatments. <i>Psychiatry Research</i> , 1996 , 65, 159-69	9.9	42
110	Organohalogenated contaminants (OHCs) in human serum of mothers and children from Pakistan with urban and rural residential settings. <i>Science of the Total Environment</i> , 2013 , 461-462, 655-62	10.2	41
109	Direct evidence for the contractile capacity of endothelial cells. <i>Thrombosis Research</i> , 1981 , 23, 505-20	8.2	41
108	Dynamics of organohalogenated contaminants in human serum from obese individuals during one year of weight loss treatment. <i>Environmental Science & Technology</i> , 2013 , 47, 12441-9	10.3	40
107	Simultaneous determination of 15 top-prescribed pharmaceuticals and their metabolites in influent wastewater by reversed-phase liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2011 , 83, 795-803	6.2	40
106	Advances in detection of antipsychotics in biological matrices. <i>Clinica Chimica Acta</i> , 2015 , 441, 11-22	6.2	39
105	Components of biological variation in serum soluble transferrin receptor: relationships to serum iron, transferrin and ferritin concentrations, and immune and haematological variables. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 1997 , 57, 31-41	2	39

104	Influence of academic examination stress on hematological measurements in subjectively healthy volunteers. <i>Psychiatry Research</i> , 1998 , 80, 201-12	9.9	39
103	Nail analysis for the detection of drugs of abuse and pharmaceuticals: a review. <i>Forensic Toxicology</i> , 2015 , 33, 12-36	2.6	38
102	Fast analysis of decabrominated diphenyl ether using low-pressure gas chromatography-electron-capture negative ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1186, 295-301	4.5	38
101	Does Biotransformation of Aryl Phosphate Flame Retardants in Blood Cast a New Perspective on Their Debated Biomarkers?. <i>Environmental Science & Technology</i> , 2016 , 50, 12439-12445	10.3	37
100	Variation, levels and profiles of organochlorines and brominated flame retardants in great tit (<i>Parus major</i>) eggs from different types of sampling locations in Flanders (Belgium). <i>Environment International</i> , 2008 , 34, 155-61	12.9	36
99	Inter-species differences for polychlorinated biphenyls and polybrominated diphenyl ethers in marine top predators from the Southern North Sea: Part 2. Biomagnification in harbour seals and harbour porpoises. <i>Environmental Pollution</i> , 2009 , 157, 445-51	9.3	33
98	The use of dried blood spots for quantification of 15 antipsychotics and 7 metabolites with ultra-high performance liquid chromatography - tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2015 , 7, 502-11	3.5	32
97	Hair ethyl glucuronide as a biomarker of alcohol consumption in alcohol-dependent patients: role of gender differences. <i>Drug and Alcohol Dependence</i> , 2014 , 141, 163-6	4.9	32
96	What can we learn from monitoring PCBs in the European eel? A Belgian experience. <i>Environment International</i> , 2011 , 37, 354-64	12.9	32
95	Assessment of persistent brominated and chlorinated organic contaminants in the European eel (<i>Anguilla anguilla</i>) in Flanders, Belgium: Levels, profiles and health risk. <i>Science of the Total Environment</i> , 2014 , 482-483, 222-33	10.2	31
94	Predatory bird species show different patterns of hydroxylated polychlorinated biphenyls (HO-PCBs) and polychlorinated biphenyls (PCBs). <i>Environmental Science & Technology</i> , 2008 , 42, 3465-71	10.3	30
93	Do concentrations of pharmaceuticals in sewage reflect prescription figures?. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 9110-8	5.1	29
92	Occurrence of anthropogenic and naturally-produced organohalogenated compounds in tissues of Black Sea harbour porpoises. <i>Marine Pollution Bulletin</i> , 2010 , 60, 725-31	6.7	29
91	Metabolomics analysis of the toxicity pathways of triphenyl phosphate in HepaRG cells and comparison to oxidative stress mechanisms caused by acetaminophen. <i>Toxicology in Vitro</i> , 2015 , 29, 2045-54	2.6	28
90	Analysis of the antiepileptic phenyltriazine compound lamotrigine using gas chromatography with nitrogen phosphorus detection. <i>Therapeutic Drug Monitoring</i> , 1997 , 19, 460-4	3.2	28
89	Analytical characterization of mannosylerythritol lipid biosurfactants produced by biosynthesis based on feedstock sources from the agrofood industry. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1263-75	4.4	26
88	Analysis of gamma-hydroxybutyric acid, DL-lactic acid, glycolic acid, ethylene glycol and other glycols in body fluids by a direct injection gas chromatography-mass spectrometry assay for wide use. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 1341-5	5.9	26
87	Influence of repeated permanent coloring and bleaching on ethyl glucuronide concentrations in hair from alcohol-dependent patients. <i>Forensic Science International</i> , 2015 , 247, 18-22	2.6	25

86	Gas chromatographic determination of ethyl glucuronide in hair: comparison between tandem mass spectrometry and single quadrupole mass spectrometry. <i>Forensic Science International</i> , 2015 , 249, 20-4	2.6	25
85	Pedophilia is accompanied by increased plasma concentrations of catecholamines, in particular epinephrine. <i>Psychiatry Research</i> , 2001 , 103, 43-9	9.9	25
84	Biotransformation of three phosphate flame retardants and plasticizers in primary human hepatocytes: untargeted metabolite screening and quantitative assessment. <i>Journal of Applied Toxicology</i> , 2016 , 36, 1401-8	4.1	25
83	Anthropogenic and naturally-produced organobrominated compounds in bluefin tuna from the Mediterranean Sea. <i>Chemosphere</i> , 2009 , 76, 1477-82	8.4	24
82	Hypothalamic-pituitary-thyroid-axis function in treatment resistant depression. <i>Journal of Affective Disorders</i> , 1997 , 43, 143-50	6.6	24
81	A screening of persistent organohalogenated contaminants in hair of East Greenland polar bears. <i>Science of the Total Environment</i> , 2010 , 408, 5613-8	10.2	23
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