

Rudolf J J Schneider

List of Publications by Year in Descending Order

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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.

123
papers

3,425
citations

31
h-index

53
g-index

129
ext. papers

3,824
ext. citations

6.2
avg, IF

5.35
L-index

#	Paper	IF	Citations
123	Responses of <i>Ruditapes philippinarum</i> to contamination by pharmaceutical drugs under ocean acidification scenario.. <i>Science of the Total Environment</i> , 2022 , 153591	10.2	1
122	Salinity-dependent impacts on the effects of antiepileptic and antihistaminic drugs in <i>Ruditapes philippinarum</i> . <i>Science of the Total Environment</i> , 2022 , 806, 150369	10.2	0
121	A rapid magnetic bead-based immunoassay for sensitive determination of diclofenac. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	1
120	ANALYTICAL SOLUTION FOR SAFE BREASTFEEDING. IMMUNOCHROMATOGRAPHIC ASSAY OF MACROLIDE ANTIBIOTICS IN MOTHER'S MILK 2021 , 1, 224-226	0	
119	Pitfalls in the Immunochemical Determination of β -Lactam Antibiotics in Water. <i>Antibiotics</i> , 2021 , 10,	4.9	1
118	Tailored Mobility in a Zeolite Imidazolate Framework (ZIF) Antibody Conjugate*. <i>Chemistry - A European Journal</i> , 2021 , 27, 9414-9421	4.8	3
117	Portable, antikörperbasierte Analysenverfahren für die Schadstoffeffassung im Wasserkreislauf. <i>Vom Wasser</i> , 2021 , 119, 38-40		
116	Electrochemical Immunomagnetic Ochratoxin A Sensing: Steps Forward in the Application of 3,3',5,5'-Tetramethylbenzidine in Amperometric Assays. <i>ChemElectroChem</i> , 2021 , 8, 2597-2606	4.3	1
115	Development of a Lateral Flow Immunoassay (LFIA) to Screen for the Release of the Endocrine Disruptor Bisphenol A from Polymer Materials and Products. <i>Biosensors</i> , 2021 , 11,	5.9	3
114	Fluorescence polarization immunoassay for the determination of diclofenac in wastewater. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 999-1007	4.4	11
113	Can ocean warming alter sub-lethal effects of antiepileptic and antihistaminic pharmaceuticals in marine bivalves?. <i>Aquatic Toxicology</i> , 2021 , 230, 105673	5.1	15
112	Immunosensor based on porous gold and reduced graphene platform for the determination of EE2 by electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115604	4.1	1
111	Mit dem Testsystem zur Probe. <i>Nachrichten Aus Der Chemie</i> , 2021 , 69, 71-74	0.1	
110	ELISA as an effective tool to determine spatial and seasonal occurrence of emerging contaminants in the aquatic environment. <i>Analytical Methods</i> , 2020 , 12, 2517-2526	3.2	3
109	Development of a latex particles-based lateral flow immunoassay for group determination of macrolide antibiotics in breast milk. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 189, 113450	3.5	8
108	Wash-Free Multiplexed Mix-and-Read Suspension Array Fluorescence Immunoassay for Anthropogenic Markers in Wastewater. <i>Analytical Chemistry</i> , 2019 , 91, 12988-12996	7.8	16
107	Automated lab-on-valve sequential injection ELISA for determination of carbamazepine. <i>Analytica Chimica Acta</i> , 2019 , 1076, 91-99	6.6	9

106	Photocatalysis of Cyclodextrin-functionalised Fe ₃ O ₄ nanoparticles for degrading Bisphenol A in polluted waters. <i>Environmental Chemistry</i> , 2019 , 16, 125	3.2	4
105	Antibody conjugation to carboxyl-modified microspheres through N-hydroxysuccinimide chemistry for automated immunoassay applications: A general procedure. <i>PLoS ONE</i> , 2019 , 14, e0218686	3.7	3
104	Covalently Fluorophore-Functionalized ZIF-8 Colloidal Particles as a Sensing Platform for Endocrine-Disrupting Chemicals Such as Phthalates Plasticizers. <i>ACS Omega</i> , 2019 , 4, 17090-17097	3.9	5
103	Multifunctional Polystyrene Core/Silica Shell Microparticles with Antifouling Properties for Bead-Based Multiplexed and Quantitative Analysis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1321-1334	9.5	16
102	Microfluidic electrochemical immunosensor for the trace analysis of cocaine in water and body fluids. <i>Drug Testing and Analysis</i> , 2019 , 11, 492-500	3.5	15
101	Effects of single and combined exposure of pharmaceutical drugs (carbamazepine and cetirizine) and a metal (cadmium) on the biochemical responses of <i>R. philippinarum</i> . <i>Aquatic Toxicology</i> , 2018 , 198, 10-19	5.1	26
100	Effects of carbamazepine and cetirizine under an ocean acidification scenario on the biochemical and transcriptome responses of the clam <i>Ruditapes philippinarum</i> . <i>Environmental Pollution</i> , 2018 , 235, 857-868	9.3	30
99	Novel Electrochemical Paper-Based Immunocapture Assay for the Quantitative Determination of Ethinylestradiol in Water Samples. <i>Analytical Chemistry</i> , 2018 , 90, 4104-4111	7.8	48
98	Functionalized magnetic nanoparticles: Synthesis, characterization, catalytic application and assessment of toxicity. <i>Scientific Reports</i> , 2018 , 8, 6278	4.9	72
97	Liquid chromatography-tandem mass spectrometry detection of diclofenac and related compounds in water samples. <i>Journal of Chromatography A</i> , 2018 , 1538, 112-116	4.5	31
96	Thin films containing oxalate-capped iron oxide nanomaterials deposited on glass substrate for fast Fenton degradation of some micropollutants. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6802-6813	5.1	3
95	Singlet oxygen generation potential of porphyrin-sensitized magnetite nanoparticles: Synthesis, characterization and photocatalytic application. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 553-561	21.8	21
94	An Anticaffeine Antibody-Oligonucleotide Conjugate for DNA-Directed Immobilization in Environmental Immunoarrays. <i>Langmuir</i> , 2018 , 34, 14834-14841	4	2
93	Antimicrobial Photodynamic Activity of Cationic Nanoparticles Decorated with Glycosylated Photosensitizers for Water Disinfection. <i>ChemPhotoChem</i> , 2018 , 2, 596-605	3.3	4
92	Studies on the development of antibodies for the highly hydrophobic plasticizers DINCH and DEHT. <i>Analytical Biochemistry</i> , 2018 , 543, 90-96	3.1	4
91	Maintaining Stable Zeolitic Imidazolate Framework (ZIF) Templates during Polyelectrolyte Multilayer Coating. <i>Colloids and Interface Science Communications</i> , 2018 , 22, 14-17	5.4	15
90	LC-BLISA as a contribution to the assessment of matrix effects with environmental water samples in an immunoassay for estrone (E1). <i>Accreditation and Quality Assurance</i> , 2018 , 23, 349-364	0.7	
89	Ethinylestradiol quantification in drinking water sources using a fluorescent paper based immunosensor. <i>Microchemical Journal</i> , 2018 , 141, 287-293	4.8	12

88	Comparison of the toxicological impacts of carbamazepine and a mixture of its photodegradation products in <i>Scrobicularia plana</i> . <i>Journal of Hazardous Materials</i> , 2017 , 323, 220-232	12.8	27
87	Photoinduced Cross-Linking of Short Furan-Modified DNA on Surfaces. <i>Langmuir</i> , 2017 , 33, 1197-1201	4	7
86	Screening for cocaine on Euro banknotes by a highly sensitive enzyme immunoassay. <i>Talanta</i> , 2017 , 165, 619-624	6.2	9
85	Hapten-Specific Single-Cell Selection of Hybridoma Clones by Fluorescence-Activated Cell Sorting for the Generation of Monoclonal Antibodies. <i>Analytical Chemistry</i> , 2017 , 89, 4007-4012	7.8	13
84	Application of fluorescence polarization immunoassay for determination of carbamazepine in wastewater. <i>Journal of Environmental Management</i> , 2017 , 193, 92-97	7.9	18
83	Ecotoxicity of the antihistaminic drug cetirizine to <i>Ruditapes philippinarum</i> clams. <i>Science of the Total Environment</i> , 2017 , 601-602, 793-801	10.2	19
82	Synthetic Strategies for the Modification of Diclofenac. <i>Synlett</i> , 2017 , 28, 1984-1989	2.2	2
81	Toxic effects of the antihistamine cetirizine in mussel <i>Mytilus galloprovincialis</i> . <i>Water Research</i> , 2017 , 114, 316-326	12.5	43
80	Nanomagnet-photosensitizer hybrid materials for the degradation of 17 β -estradiol in batch and flow modes. <i>Dyes and Pigments</i> , 2017 , 142, 535-543	4.6	13
79	Physiological and biochemical alterations induced in the mussel <i>Mytilus galloprovincialis</i> after short and long-term exposure to carbamazepine. <i>Water Research</i> , 2017 , 117, 102-114	12.5	63
78	Toxicity associated to uptake and depuration of carbamazepine in the clam <i>Scrobicularia plana</i> under a chronic exposure. <i>Science of the Total Environment</i> , 2017 , 580, 1129-1145	10.2	19
77	Decoration of trastuzumab with short oligonucleotides: synthesis and detailed characterization. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 8923-8928	3.9	6
76	Porphyrin modified trastuzumab improves efficacy of HER2 targeted photodynamic therapy of gastric cancer. <i>International Journal of Cancer</i> , 2017 , 141, 1478-1489	7.5	18
75	Improved strategies for selection and characterization of new monoclonal anti-carbamazepine antibodies during the screening process using feces and fluorescence polarization immunoassay. <i>Analytical Methods</i> , 2016 , 8, 6883-6894	3.2	11
74	Long-term exposure of polychaetes to caffeine: Biochemical alterations induced in <i>Diopatra neapolitana</i> and <i>Arenicola marina</i> . <i>Environmental Pollution</i> , 2016 , 214, 456-463	9.3	23
73	Caffeine impacts in the clam <i>Ruditapes philippinarum</i> : Alterations on energy reserves, metabolic activity and oxidative stress biomarkers. <i>Chemosphere</i> , 2016 , 160, 95-103	8.4	59
72	Impaired gonadal and somatic development corroborate vulnerability differences to the synthetic estrogen ethinylestradiol among deeply diverged anuran lineages. <i>Aquatic Toxicology</i> , 2016 , 177, 503-147 ^{5.1}	5.1	9
71	Enzyme-linked immunosorbent assay (ELISA) for the anthropogenic marker isolithocholic acid in water. <i>Journal of Environmental Management</i> , 2016 , 182, 612-619	7.9	5

70	Ultra-Sonication of ZIF-67 Crystals Results in ZIF-67 Nano-Flakes. <i>ChemistrySelect</i> , 2016 , 1, 5905-5908	1.8	14
69	Hediste diversicolor as bioindicator of pharmaceutical pollution: Results from single and combined exposure to carbamazepine and caffeine. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016 , 188, 30-8	3.2	18
68	Long-term exposure to caffeine and carbamazepine: Impacts on the regenerative capacity of the polychaete Diopatra neapolitana. <i>Chemosphere</i> , 2016 , 146, 565-73	8.4	43
67	The impacts of pharmaceutical drugs under ocean acidification: New data on single and combined long-term effects of carbamazepine on Scrobicularia plana. <i>Science of the Total Environment</i> , 2016 , 541, 977-985	10.2	68
66	Removal of pollutants by the new Fenton-like highly active catalysts containing an imidazolium salt and a Schiff base. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 335-342	21.8	9
65	Hybrid iron-based core-shell magnetic catalysts for fast degradation of bisphenol A in aqueous systems. <i>Chemical Engineering Journal</i> , 2016 , 302, 587-594	14.7	20
64	Structural considerations on the selectivity of an immunoassay for sulfamethoxazole. <i>Talanta</i> , 2016 , 158, 198-207	6.2	16
63	Photodegradation of organic pollutants in water by immobilized porphyrins and phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 150-166	1.8	46
62	Chronic toxicity of the antiepileptic carbamazepine on the clam Ruditapes philippinarum. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 172-173, 26-35	3.2	52
61	Fluorescence polarization immunoassays for carbamazepine: Comparison of tracers and formats. <i>Analytical Methods</i> , 2015 , 7, 5854-5861	3.2	12
60	How life history influences the responses of the clam Scrobicularia plana to the combined impacts of carbamazepine and pH decrease. <i>Environmental Pollution</i> , 2015 , 202, 205-14	9.3	42
59	The effects of carbamazepine on macroinvertebrate species: Comparing bivalves and polychaetes biochemical responses. <i>Water Research</i> , 2015 , 85, 137-47	12.5	63
58	Polyclonal murine and rabbit antibodies for the bile acid isolithocholic acid. <i>Journal of Immunoassay and Immunochemistry</i> , 2015 , 36, 233-52	1.8	3
57	Optimization and Evaluation of a Hapten Microarray Using Chemometric Methods. <i>Procedia Engineering</i> , 2015 , 120, 501-506		
56	Quantification of cells with specific phenotypes I: determination of CD4+ cell count per microliter in reconstituted lyophilized human PBMC prelabeled with anti-CD4 FITC antibody. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 244-53	4.6	17
55	Multifunctional Logic in a Photosensitizer with Triple-Mode Fluorescent and Photodynamic Activity. <i>Chemistry - A European Journal</i> , 2015 , 21, 18551-6	4.8	29
54	Green Fenton-like magnetic nanocatalysts: Synthesis, characterization and catalytic application. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 667-677	21.8	30
53	Quantification of cells with specific phenotypes II: determination of CD4 expression level on reconstituted lyophilized human PBMC labelled with anti-CD4 FITC antibody. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 254-61	4.6	10

52	Tannic acid- and natural organic matter-coated magnetite as green Fenton-like catalysts for the removal of water pollutants. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	12
51	Antibodies armed with photosensitizers: from chemical synthesis to photobiological applications. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2518-29	3.9	45
50	Catalytic degradation of relevant pollutants from waters using magnetic nanocatalysts. <i>Applied Surface Science</i> , 2015 , 352, 42-48	6.7	21
49	Application of dispersive liquid-liquid microextraction for estrogens' quantification by enzyme-linked immunosorbent assay. <i>Talanta</i> , 2014 , 125, 102-6	6.2	23
48	Comparative characterization of mAb producing hapten-specific hybridoma cells by flow cytometric analysis and ELISA. <i>Journal of Immunological Methods</i> , 2014 , 413, 45-56	2.5	12
47	Porphyrin conjugated with serum albumins and monoclonal antibodies boosts efficiency in targeted destruction of human bladder cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1804-19	3.9	37
46	Fluorescence polarization immunoassays for the quantification of caffeine in beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 2337-43	5.7	21
45	Presence of the pharmaceutical drug carbamazepine in coastal systems: effects on bivalves. <i>Aquatic Toxicology</i> , 2014 , 156, 74-87	5.1	117
44	Evaluation of the anthropogenic input of caffeine in surface waters of the north and center of Portugal by ELISA. <i>Science of the Total Environment</i> , 2014 , 479-480, 227-32	10.2	21
43	Carbamazepine and its metabolites in wastewater: Analytical pitfalls and occurrence in Germany and Portugal. <i>Water Research</i> , 2014 , 57, 104-14	12.5	147
42	Quality assurance in immunoassay performance--comparison of different enzyme immunoassays for the determination of caffeine in consumer products. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 1601-11	4.4	22
41	Development of an enzyme-linked immunosorbent assay for atrazine monitoring in water samples. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3157-64	5.1	5
40	Development of ELISA methodologies for the direct determination of 17 β -estradiol and 17 β -ethinylestradiol in complex aqueous matrices. <i>Journal of Environmental Management</i> , 2013 , 124, 121-7	7.9	43
39	Quality assurance in immunoassay performance [carbamazepine immunoassay format evaluation and application on surface and waste water. <i>Analytical Methods</i> , 2013 , 5, 3754	3.2	9
38	Sorption behavior of EE2 on soils subjected to different long-term organic amendments. <i>Science of the Total Environment</i> , 2012 , 423, 120-4	10.2	19
37	Immunoassays as high-throughput tools: monitoring spatial and temporal variations of carbamazepine, caffeine and cetirizine in surface and wastewaters. <i>Chemosphere</i> , 2012 , 89, 1278-86	8.4	87
36	Degradation of carbamazepine in environmentally relevant concentrations in water by Hydrodynamic-Acoustic-Cavitation (HAC). <i>Water Research</i> , 2012 , 46, 2469-77	12.5	85
35	Electrochemical detection of a powerful estrogenic endocrine disruptor: ethinylestradiol in water samples through bioseparation procedure. <i>Analytica Chimica Acta</i> , 2012 , 723, 27-32	6.6	42

34	Chapter 3:The Chemistry of Caffeine. <i>Food and Nutritional Components in Focus</i> , 2012 , 41-52		1
33	Chapter 12:Analysis of Caffeine by Immunoassay. <i>Food and Nutritional Components in Focus</i> , 2012 , 213-229		
32	Temperatureinfluss auf Immunoassays. <i>Nachrichten Aus Der Chemie</i> , 2012 , 60, 1112-1113	0.1	
31	Quality assurance in immunoassay performance-temperature effects. <i>Analytical Methods</i> , 2012 , 4, 901	3.2	17
30	Monitoring Caffeine in Human Saliva Using a Newly Developed ELISA. <i>Analytical Letters</i> , 2012 , 45, 2549-2561		4
29	Non-invasive monitoring of immunization progress in mice via IgG from feces. <i>In Vivo</i> , 2012 , 26, 63-9	2.3	6
28	Development of an ELISA procedure to study sorption of atrazine onto a sewage sludge-amended luvisol soil. <i>Talanta</i> , 2011 , 85, 1494-9	6.2	16
27	Application of an ELISA to the quantification of carbamazepine in ground, surface and wastewaters and validation with LC-MS/MS. <i>Chemosphere</i> , 2011 , 84, 1708-15	8.4	66
26	Cetirizine as pH-dependent cross-reactant in a carbamazepine-specific immunoassay. <i>Analyst, The</i> , 2011 , 136, 1357-64	5	19
25	Sorption-desorption behavior of atrazine on soils subjected to different organic long-term amendments. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 3101-6	5.7	40
24	Influence of different organic amendments on the potential availability of metals from soil: a study on metal fractionation and extraction kinetics by EDTA. <i>Chemosphere</i> , 2010 , 78, 389-96	8.4	40
23	Triacetone triperoxide (TATP): hapten design and development of antibodies. <i>Langmuir</i> , 2010 , 26, 15418-23		18
22	A highly sensitive caffeine immunoassay based on a monoclonal antibody. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2617-28	4.4	39
21	Effect of long term organic amendments on adsorption-desorption of thiram onto a luvisol soil derived from loess. <i>Chemosphere</i> , 2010 , 80, 293-300	8.4	14
20	Modified paramagnetic beads in a microfluidic system for the determination of ethinylestradiol (EE2) in river water samples. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1376-81	11.8	56
19	Capillary zone electrophoresis of Cowpea mosaic virus and peak identification. <i>Electrophoresis</i> , 2009 , 30, 1572-8	3.6	10
18	Monitoring carbamazepine in surface and wastewaters by an immunoassay based on a monoclonal antibody. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1809-20	4.4	81
17	Effects of organic and inorganic amendments on soil organic matter properties. <i>Geoderma</i> , 2009 , 150, 38-45	6.7	92

16	7-(5-Carboxypentyl)-1,3-dimethylxanthine monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3718-o3718		2
15	Ferromagnetic order in epitaxially strained LaCoO ₃ thin films. <i>Physical Review B</i> , 2007 , 75,	3.3	171
14	Effects of the antimicrobial agent sulfamethazine on metolachlor persistence and sorption in soil. <i>Chemosphere</i> , 2006 , 63, 1539-45	8.4	19
13	Field study using two immunoassays for the determination of estradiol and ethinylestradiol in the aquatic environment. <i>Water Research</i> , 2006 , 40, 2287-94	12.5	98
12	Enantiomeric separation of metolachlor and its metabolites using LC-MS and CZE. <i>Chemosphere</i> , 2006 , 62, 1591-9	8.4	31
11	Direct sub-ppt detection of the endocrine disruptor ethinylestradiol in water with a chemiluminescence enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2005 , 551, 92-97	6.6	35
10	A novel enzyme-linked immunosorbent assay for ethinylestradiol using a long-chain biotinylated EE2 derivative. <i>Steroids</i> , 2004 , 69, 245-53	2.8	31
9	Environmental immunoassays. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 44-6	4.4	22
8	Determination of Antibiotic Residues in Manure, Soil, and Surface Waters. <i>Clean - Soil, Air, Water</i> , 2003 , 31, 36-44		384
7	Analysis and detection of the herbicides dimethenamid and flufenacet and their sulfonic and oxanilic acid degradates in natural water. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 1045-52	5.7	23
6	Balancing the Fate of Terbutylazine in a Water Catchment Area by Immunochemical Screening. <i>International Journal of Environmental Analytical Chemistry</i> , 1998 , 70, 59-74	1.8	1
5	Factors influencing the adsorption of atrazine on montmorillonitic and kaolinitic clays. <i>Science of the Total Environment</i> , 1993 , 138, 317-328	10.2	31
4	Screening and Monitoring of Herbicides Behaviour in Soils by Enzyme Immunoassays. <i>International Journal of Environmental Analytical Chemistry</i> , 1992 , 46, 129-140	1.8	16
3	087 Identification of two triazine herbicides in top soil layers using immunoassays of different selectivity. <i>Fresenius Journal of Analytical Chemistry</i> , 1992 , 343, 145-146		12
2	A heterogeneous immunoassay for the determination of triazine herbicides in water. <i>Fresenius Journal of Analytical Chemistry</i> , 1991 , 339, 468-469		13
1	Environmental analysis. <i>Fresenius Journal of Analytical Chemistry</i> , 1990 , 337, 73-78		6