

# Reinhard Niessner

## 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.

287  
papers

14,137  
citations

65  
h-index

105  
g-index

293  
ext. papers

15,745  
ext. citations

6.4  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
287	Ultrasensitive and Simultaneous SERS Detection of Multiplex MicroRNA Using Fractal Gold Nanotags for Early Diagnosis and Prognosis of Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8799-8809	7.8	25
286	Assessment of the potential vaping-related exposure to carbonyls and epoxides using stable isotope-labeled precursors in the e-liquid. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 2667-2676	5.8	2
285	Quantitative detection of human adenovirus from river water by monolithic adsorption filtration and quantitative PCR. <i>Journal of Virological Methods</i> , <b>2021</b> , 292, 114128	2.6	2
284	Flow-based regenerable chemiluminescence receptor assay for the detection of tetracyclines. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3467-3476	4.4	13
283	TUM-ParticleTyper: A detection and quantification tool for automated analysis of (Microplastic) particles and fibers. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234766	3.7	12
282	Nanoplastic Analysis by Online Coupling of Raman Microscopy and Field-Flow Fractionation Enabled by Optical Tweezers. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5813-5820	7.8	45
281	Bacteria Detection: From Powerful SERS to Its Advanced Compatible Techniques. <i>Advanced Science</i> , <b>2020</b> , 7, 2001739	13.6	46
280	Nondestructive Chemical Analysis of the Iron-Containing Protein Ferritin Using Raman Microspectroscopy. <i>Applied Spectroscopy</i> , <b>2020</b> , 74, 193-203	3.1	1
279	H-Based Electrochemical Biosensor with Pd Nanowires@ZIF-67 Molecular Sieve Bilayered Sensing Interface for Immunoassay. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12055-12062	7.8	52
278	Implementation of an open source algorithm for particle recognition and morphological characterisation for microplastic analysis by means of Raman microspectroscopy. <i>Analytical Methods</i> , <b>2019</b> , 11, 3483-3489	3.2	20
277	Magnetic nanocomposites: versatile tool for the combination of immunomagnetic separation with flow-based chemiluminescence immunoassay for rapid biosensing of Staphylococcal enterotoxin B in milk. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4951-4961	4.4	2
276	On-line determination of soot oxidation reactivity. <i>Journal of Aerosol Science</i> , <b>2019</b> , 132, 12-21	4.3	3
275	Succinylated Jeffamine ED-2003 coated polycarbonate chips for low-cost analytical microarrays. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1943-1955	4.4	3
274	Surface-enhanced Raman spectroscopy of microorganisms: limitations and applicability on the single-cell level. <i>Analyst, The</i> , <b>2019</b> , 144, 943-953	5	28
273	Raman microspectroscopic identification of microplastic particles in freshwater bivalves ( <i>Unio pictorum</i> ) exposed to sewage treatment plant effluents under different exposure scenarios. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 2007-2012	5.1	20
272	Palindromic Molecular Beacon Based Z-Scheme BiOCl-Au-CdS Photoelectrochemical Biodetection. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2447-2454	7.8	211
271	Methods for the analysis of submicrometer- and nanoplastic particles in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 112, 52-65	14.6	164

270	Microcystin-LR Enrichment from Freshwater by a Recombinant Plant-derived Antibody Using Sol-Gel-Glass Immunoextraction. <i>Analytical Sciences</i> , <b>2019</b> , 35, 207-214	1.7	6
269	Biomarkers of Exposure Specific to E-vapor Products Based on Stable-Isotope Labeled Ingredients. <i>Nicotine and Tobacco Research</i> , <b>2019</b> , 21, 314-322	4.9	10
268	Analysis of Urinary Eicosanoids by LC-MS/MS Reveals Alterations in the Metabolic Profile after Smoking Cessation. <i>Chemical Research in Toxicology</i> , <b>2018</b> , 31, 176-182	4	11
267	Heterogeneous asymmetric recombinase polymerase amplification (haRPA) for rapid hygiene control of large-volume water samples. <i>Analytical Biochemistry</i> , <b>2018</b> , 546, 58-64	3.1	6
266	Analytische Chemie Aktuelle Trends im Vergleich zu den historischen Anfängen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14524-14533	3.6	
265	Analytical Chemistry: Current Trends in Light of the Historic Beginnings. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14328-14336	16.4	0
264	Genetically Controlled Lysosomal Entrapment of Superparamagnetic Ferritin for Multimodal and Multiscale Imaging and Actuation with Low Tissue Attenuation. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706793	15.6	13
263	Cloning and plant-based production of antibody MC10E7 for a lateral flow immunoassay to detect [4-arginine]microcystin in freshwater. <i>Plant Biotechnology Journal</i> , <b>2018</b> , 16, 27-38	11.6	13
262	Variation in plastic abundance at different lake beach zones - A case study. <i>Science of the Total Environment</i> , <b>2018</b> , 613-614, 530-537	10.2	35
261	Stable-isotope Raman microspectroscopy for the analysis of soil organic matter. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 923-931	4.4	9
260	Quantification of viable and non-viable Legionella spp. by heterogeneous asymmetric recombinase polymerase amplification (haRPA) on a flow-based chemiluminescence microarray. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 100, 49-55	11.8	19
259	Microfluidic-Based Synthesis of Magnetic Nanoparticles Coupled with Miniaturized NMR for Online Relaxation Studies. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9975-9982	7.8	25
258	Antimicrobial peptide based magnetic recognition elements and Au@Ag-GO SERS tags with stable internal standards: a three in one biosensor for isolation, discrimination and killing of multiple bacteria in whole blood. <i>Chemical Science</i> , <b>2018</b> , 9, 8781-8795	9.4	101
257	Raman microspectroscopy as a tool for microplastic particle analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 109, 214-226	14.6	103
256	Microarray-Based Immunoassay for Parallel Quantification of Multiple Mycotoxins in Oat. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1536, 143-156	1.4	4
255	Signal-On Photoelectrochemical Immunoassay for Aflatoxin B Based on Enzymatic Product-Etching MnO Nanosheets for Dissociation of Carbon Dots. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 5637-5645	7.8	266
254	Laboratory and field studies on a new sensor for dissolved NO. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 4719-4727	4.4	0
253	Tight Molecular Recognition of Benzo[a]pyrene by a High-Affinity Antibody. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10592-10597	16.4	7

252	Enge molekulare Erkennung von Benzo[a]pyren durch einen hochaffinen Antikörper. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10728-10733	3.6	2
251	Raman microspectroscopy, surface-enhanced Raman scattering microspectroscopy, and stable-isotope Raman microspectroscopy for biofilm characterization. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 4353-4375	4.4	42
250	Photoacoustic Spectroscopy for the Quantification of NO in the Off-Gas of Wastewater Treatment Plants. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3795-3801	7.8	12
249	Catalytic Effect of Potassium Compounds in Soot Oxidation. <i>ChemCatChem</i> , <b>2017</b> , 9, 3513-3525	5.2	23
248	A fully validated GC-TOF-MS method for the quantification of fatty acids revealed alterations in the metabolic profile of fatty acids after smoking cessation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1041-1042, 141-150	3.2	13
247	Metabolomic Fingerprinting in Various Body Fluids of a Diet-Controlled Clinical Smoking Cessation Study Using a Validated GC-TOF-MS Metabolomics Platform. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 3491-3503	5.6	12
246	Microplastic in Aquatic Ecosystems. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1720-1739	16.4	321
245	Detection of Legionella-contaminated aerosols in the vicinity of a bio-trickling filter of a breeding sow facility - A pilot study. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 1197-1202	10.2	5
244	Validation Procedure for Multiplex Antibiotic Immunoassays Using Flow-Based Chemiluminescence Microarrays. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1518, 195-212	1.4	6
243	Mikroplastik in aquatischen Ökosystemen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1744-1764	3.6	10
242	Reproducible E. coli detection based on label-free SERS and mapping. <i>Talanta</i> , <b>2016</b> , 146, 457-63	6.2	70
241	Long amplicon (LA)-qPCR for the discrimination of infectious and noninfectious phix174 bacteriophages after UV inactivation. <i>Water Research</i> , <b>2016</b> , 103, 141-148	12.5	26
240	Raman microspectroscopic analysis of fibers in beverages. <i>Analytical Methods</i> , <b>2016</b> , 8, 5722-5725	3.2	61
239	Photoacoustic Signal Generation in Gold Nanospheres in Aqueous Solution: Signal Generation Enhancement and Particle Diameter Effects. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 27646-27656	3.8	27
238	Silver Nanolabels-Assisted Ion-Exchange Reaction with CdTe Quantum Dots Mediated Exciton Trapping for Signal-On Photoelectrochemical Immunoassay of Mycotoxins. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7858-66	7.8	125
237	Reactivity and structure of soot generated at varying biofuel content and engine operating parameters. <i>Combustion and Flame</i> , <b>2016</b> , 163, 157-169	5.3	65
236	Nanoparticle-based immunosensors and immunoassays for aflatoxins. <i>Analytica Chimica Acta</i> , <b>2016</b> , 912, 10-23	6.6	100
235	A comparison of diesel soot oxidation rates measured with two different isothermal set-ups. <i>Journal of Aerosol Science</i> , <b>2016</b> , 91, 94-100	4.3	3

234	Computer assisted detection and quantification of single adsorbing nanoparticles by differential surface plasmon microscopy. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 101-109	5.8	23
233	Gold Nanoparticles Assembly on Silicon and Gold Surfaces: Mechanism, Stability, and Efficiency in Diclofenac Biosensing. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 29302-29311	3.8	27
232	Pigments and plastic in limnetic ecosystems: A qualitative and quantitative study on microparticles of different size classes. <i>Water Research</i> , <b>2016</b> , 98, 64-74	12.5	249
231	Rapid quantification method for Legionella pneumophila in surface water. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 2203-13	4.4	23
230	The origin of the band at around 730 cm <sup>-1</sup> in the SERS spectra of bacteria: a stable isotope approach. <i>Analyst, The</i> , <b>2016</b> , 141, 2874-8	5	52
229	Competitive Upconversion-Linked Immunosorbent Assay for the Sensitive Detection of Diclofenac. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6011-7	7.8	58
228	Enzymatic hydrolysate-induced displacement reaction with multifunctional silica beads doped with horseradish peroxidase-thionine conjugate for ultrasensitive electrochemical immunoassay. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8531-40	7.8	83
227	Surface-enhanced Raman scattering detection of bacteria on microarrays at single cell levels using silver nanoparticles. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2259-2266	5.8	42
226	Exploring the Potential of Stable Isotope (Resonance) Raman Microspectroscopy and Surface-Enhanced Raman Scattering for the Analysis of Microorganisms at Single Cell Level. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6622-30	7.8	46
225	High performance concentration method for viruses in drinking water. <i>Journal of Virological Methods</i> , <b>2015</b> , 222, 132-7	2.6	21
224	Laser-induced breakdown detection of temperature-ramp generated aggregates of therapeutic monoclonal antibody. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 94, 463-7	5.7	1
223	Regeneration of recombinant antigen microarrays for the automated monitoring of antibodies against zoonotic pathogens in swine sera. <i>Sensors</i> , <b>2015</b> , 15, 2614-28	3.8	4
222	Detection of the carcinogenic water pollutant benzo[a]pyrene with an electro-switchable biosurface. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4538-45	7.8	26
221	Rapid analysis of diclofenac in freshwater and wastewater by a monoclonal antibody-based highly sensitive ELISA. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 8873-82	4.4	37
220	Emissions during active regeneration of a diesel particulate filter on a heavy duty diesel engine: Stationary tests. <i>Journal of Aerosol Science</i> , <b>2015</b> , 90, 14-25	4.3	34
219	Gold nanoparticle-catalyzed uranine reduction for signal amplification in fluorescent assays for melamine and aflatoxin B1. <i>Analyst, The</i> , <b>2015</b> , 140, 7305-12	5	18
218	Target-induced nanocatalyst deactivation facilitated by core@shell nanostructures for signal-amplified headspace-colorimetric assay of dissolved hydrogen sulfide. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10153-60	7.8	75
217	Investigation of coatings of natural organic matter on silver nanoparticles under environmentally relevant conditions by surface-enhanced Raman scattering. <i>Science of the Total Environment</i> , <b>2015</b> , 535, 122-30	10.2	18

216	Label-Free in Situ Discrimination of Live and Dead Bacteria by Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6553-61	7.8	131
215	Polyoxometalate nanostructured gold surfaces for sensitive biosensing of benzo[a]pyrene. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 209, 770-774	8.5	12
214	Nitrite-triggered surface plasmon-assisted catalytic conversion of p-aminothiophenol to p,p'-dimercaptoazobenzene on gold nanoparticle: surface-enhanced Raman scattering investigation and potential for nitrite detection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 499-506	7.8	52
213	Controlled growth of immunogold for amplified optical detection of aflatoxin B1. <i>Analyst, The</i> , <b>2015</b> , 140, 1453-8	5	23
212	Layer-by-layer generation of PEG-based regenerable immunosensing surfaces for small-sized analytes. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 67, 334-41	11.8	14
211	Oligonucleotide microarray chip for the quantification of MS2, $\Phi$ 174, and adenoviruses on the multiplex analysis platform MCR 3. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 3323-34	4.4	13
210	Probing the physicochemical interactions of 3-hydroxy-benzo[a]pyrene with different monoclonal and recombinant antibodies by use of fluorescence line-narrowing spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 3387-94	4.4	4
209	Hydrochemistry and hydrogen sulfide generating processes in the Malm aquifer, Bavarian Molasse Basin, Germany. <i>Hydrogeology Journal</i> , <b>2014</b> , 22, 151-162	3.1	19
208	Application of a heterogeneous immunoassay for the quality control testing of release-active forms of diclofenac. <i>International Immunopharmacology</i> , <b>2014</b> , 21, 225-30	5.8	12
207	Towards a receptor-free immobilization and SERS detection of urinary tract infections causative pathogens. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 3051-8	4.4	41
206	Polymer-coated fluorescent CdSe-based quantum dots for application in immunoassay. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 53, 225-31	11.8	79
205	SERS detection of bacteria in water by in situ coating with Ag nanoparticles. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1525-33	7.8	298
204	Untargeted metabolomic profiling in saliva of smokers and nonsmokers by a validated GC-TOF-MS method. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 1602-13	5.6	30
203	Low-cost and highly sensitive immunosensing platform for aflatoxins using one-step competitive displacement reaction mode and portable glucometer-based detection. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 11451-8	7.8	111
202	The many faces of soot: characterization of soot nanoparticles produced by engines. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12366-79	16.4	24
201	Photoinduced C-C reactions on insulators toward photolithography of graphene nanoarchitectures. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4651-8	16.4	39
200	Internally mixed multicomponent soot: Impact of different salts on soot structure and thermo-chemical properties. <i>Journal of Aerosol Science</i> , <b>2014</b> , 70, 26-35	4.3	27
199	Chemiluminescence microarrays in analytical chemistry: a critical review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 5589-612	4.4	48

198	Die vielen Gesichter von Ruß-Charakterisierung verbrennungsmotorischer Ruß-Nanopartikel. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 12570-12585	3.6	3
197	Magnetic bead-based colorimetric immunoassay for aflatoxin B1 using gold nanoparticles. <i>Sensors</i> , <b>2014</b> , 14, 21535-48	3.8	55
196	Analysis of benzo[a]pyrene in vegetable oils using molecularly imprinted solid phase extraction (MISPE) coupled with enzyme-linked immunosorbent assay (ELISA). <i>Sensors</i> , <b>2014</b> , 14, 9720-37	3.8	23
195	Metabolomics using GC-TOF-MS followed by subsequent GC-FID and HILIC-MS/MS analysis revealed significantly altered fatty acid and phospholipid species profiles in plasma of smokers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 966, 117-26	3.2	29
194	NO(2) measurement artifacts in the presence of soot. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 447-53	4.4	1
193	Bioaerosol analysis based on a label-free microarray readout method using surface-enhanced Raman scattering. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 5387-92	4.4	18
192	Target-induced displacement reaction accompanying cargo release from magnetic mesoporous silica nanocontainers for fluorescence immunoassay. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 10589-96	7.8	65
191	Identification and characterization of individual airborne volcanic ash particles by Raman microspectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 9071-84	4.4	22
190	Contamination of beach sediments of a subalpine lake with microplastic particles. <i>Current Biology</i> , <b>2013</b> , 23, R867-8	6.3	411
189	Automated, high performance, flow-through chemiluminescence microarray for the multiplexed detection of phycotoxins. <i>Analytica Chimica Acta</i> , <b>2013</b> , 787, 211-8	6.6	34
188	Multiplexed electrochemical immunoassay of biomarkers using metal sulfide quantum dot nanolabels and trifunctionalized magnetic beads. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 46, 37-43	11.8	104
187	Comparison of monomeric and polymeric horseradish peroxidase as labels in competitive ELISA for small molecule detection. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 711-717	5.8	34
186	Anodic-stripping voltammetric immunoassay for ultrasensitive detection of low-abundance proteins using quantum dot aggregated hollow microspheres. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2496-503	4.8	87
185	Surface-enhanced Raman scattering for quantitative detection of ethyl carbamate in alcoholic beverages. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 9419-25	4.4	18
184	New route for fast detection of antibodies against zoonotic pathogens in sera of slaughtered pigs by means of flow-through chemiluminescence immunochips. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 5279-85	7.8	14
183	A glyco-chip for the detection of ricin by an automated chemiluminescence read-out system. <i>Analytical Sciences</i> , <b>2013</b> , 29, 461-6	1.7	16
182	Detecting diclofenac in livestock carcasses in India with an ELISA: a tool to prevent widespread vulture poisoning. <i>Environmental Pollution</i> , <b>2012</b> , 160, 11-6	9.3	21
181	Development of single-chain variable fragment (scFv) antibodies against hapten benzo[a]pyrene: a binding study. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 499-507	4.4	12

180	A flow-through microarray cell for the online SERS detection of antibody-captured E. coli bacteria. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 2663-7	4.4	39
179	Photoacoustic analyzer for the artifact-free parallel detection of soot and NO <sub>2</sub> in engine exhaust. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7292-6	7.8	15
178	Microscopic characterization of individual particles from multicomponent ship exhaust. <i>Journal of Environmental Monitoring</i> , <b>2012</b> , 14, 3101-10		34
177	Highly sensitive and specific determination of mercury(II) ion in water, food and cosmetic samples with an ELISA based on a novel monoclonal antibody. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 2519-28	4.4	63
176	Strong size-dependent photoacoustic effect on gold nanoparticles: a sensitive tool for aggregation-based colorimetric protein detection. <i>Analytical Methods</i> , <b>2012</b> , 4, 309-311	3.2	16
175	High-capacity NO <sub>2</sub> denuder systems operated at various temperatures (298-473 K). <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 2901-7	4.4	0
174	Extreme differences in oxidation states: synthesis and structural analysis of the germanide oxometallates A <sub>10</sub> [Ge <sub>9</sub> ] <sub>2</sub> [WO <sub>4</sub> ] as well as A <sub>(10+x)</sub> [Ge <sub>9</sub> ] <sub>2</sub> [W <sub>(1-x)</sub> Nb <sub>(x)</sub> O <sub>4</sub> ] with A = K and Rb containing [Ge <sub>9</sub> ] <sup>4-</sup> polyanions. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 4058-65	5.1	7
173	Determination of the absolute fluorescence quantum yield of rhodamine 6G with optical and photoacoustic methods—providing the basis for fluorescence quantum yield standards. <i>Talanta</i> , <b>2012</b> , 90, 30-7	6.2	82
172	Hierarchical dendritic gold microstructure-based aptasensor for ultrasensitive electrochemical detection of thrombin using functionalized mesoporous silica nanospheres as signal tags. <i>Analytica Chimica Acta</i> , <b>2012</b> , 720, 1-8	6.6	28
171	Multiplex competitive microbead-based flow cytometric immunoassay using quantum dot fluorescent labels. <i>Analytica Chimica Acta</i> , <b>2012</b> , 750, 191-8	6.6	31
170	Rapid quantification of bioaerosols containing L. pneumophila by Coriolis air sampler and chemiluminescence antibody microarrays. <i>Journal of Aerosol Science</i> , <b>2012</b> , 48, 46-55	4.3	31
169	Krankheitserreger im Wasser anreichern und nachweisen. <i>Nachrichten Aus Der Chemie</i> , <b>2012</b> , 60, 1208-1212		3
168	Combination of crossflow ultrafiltration, monolithic affinity filtration, and quantitative reverse transcriptase PCR for rapid concentration and quantification of model viruses in water. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10073-80	10.3	25
167	Conductivity for soot sensing: possibilities and limitations. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3586-92	7.8	34
166	DNA-based hybridization chain reaction for amplified bioelectronic signal and ultrasensitive detection of proteins. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 5392-9	7.8	342
165	Development of antibody-labelled superparamagnetic nanoparticles for the visualisation of benzo[a]pyrene in porous media with magnetic resonance imaging. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 2529-40	4.4	6
164	Impact of Fe Content in Laboratory-Produced Soot Aerosol on its Composition, Structure, and Thermo-Chemical Properties. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 1337-1348	3.4	48
163	A novel, highly efficient method for the separation and quantification of plastic particles in sediments of aquatic environments. <i>Limnology and Oceanography: Methods</i> , <b>2012</b> , 10, 524-537	2.6	343



162	Impact of a NO <sub>x</sub> -regenerated diesel particulate filter on PAH and NPAH emissions from an EURO IV heavy duty engine. <i>Journal of Environmental Monitoring</i> , <b>2011</b> , 13, 3373-9		12
161	Magneto-controlled graphene immunosensing platform for simultaneous multiplexed electrochemical immunoassay using distinguishable signal tags. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5407-14	7.8	221
160	New approach to quantitative analysis of benzo[a]pyrene in food supplements by an immunochemical column test. <i>Talanta</i> , <b>2011</b> , 85, 151-6	6.2	11
159	Langendorff heart: a model system to study cardiovascular effects of engineered nanoparticles. <i>ACS Nano</i> , <b>2011</b> , 5, 5345-53	16.7	48
158	Multiwavelength Raman microspectroscopy for rapid prediction of soot oxidation reactivity. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1173-9	7.8	53
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14	Increased sensitivity of an enzyme immunoassay (ELISA) for the determination of triazine herbicides by variation of tracer incubation time. <i>Mikrochimica Acta</i> , <b>1992</b> , 108, 29-40	5.8	47
13	Detection of particulate polycyclic aromatic hydrocarbons by laser-induced time-resolved fluorescence. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1991</b> , 341, 207-213		19
12	The Photoelectric Aerosol Sensor (PAS) as a Fast-Responding Detection System for PAHs in Cigarette Smoke. <i>Polycyclic Aromatic Compounds</i> , <b>1991</b> , 2, 49-61	1.3	5
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