# Ruud J B Peters

List of Publications by Year
in descending order

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|---|---|---|---|
| 53<br>papers | 5,179<br>citations | 117625<br>34<br>h-index | 175258<br>52<br>g-index |
| 53<br>all docs | 53<br>docs citations | 53<br>times ranked | 5802<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Potential Health Impact of Environmentally Released Micro- and Nanoplastics in the Human Food Production Chain: Experiences from Nanotoxicology. Environmental Science & Technology, 2015, 49, 8932-8947. | 10.0 | 810 |
| 2 | Presence and risks of nanosilica in food products. Nanotoxicology, 2011, 5, 393-405. | 3.0 | 459 |
| 3 | Characterization of Titanium Dioxide Nanoparticles in Food Products: Analytical Methods To Define Nanoparticles. Journal of Agricultural and Food Chemistry, 2014, 62, 6285-6293. | 5.2 | 328 |
| 4 | Presence of Nano-Sized Silica during In Vitro Digestion of Foods Containing Silica as a Food Additive. ACS Nano, 2012, 6, 2441-2451. | 14.6 | 286 |
| 5 | A Review of Analytical Methods for the Identification and Characterization of Nano Delivery Systems in Food. Journal of Agricultural and Food Chemistry, 2008, 56, 8231-8247. | 5.2 | 213 |
| 6 | Comprehensive screening and quantification of veterinary drugs in milk using UPLCâ€“ToF-MS. Analytical and Bioanalytical Chemistry, 2008, 391, 2309-2322. | 3.7 | 209 |
| 7 | Behaviour of silver nanoparticles and silver ions in an in vitro human gastrointestinal digestion model. Nanotoxicology, 2013, 7, 1198-1210. | 3.0 | 200 |
| 8 | Single particle ICP-MS combined with a data evaluation tool as a routine technique for the analysis of nanoparticles in complex matrices. Journal of Analytical Atomic Spectrometry, 2015, 30, 1274-1285. | 3.0 | 193 |
| 9 | Multi-residue screening of veterinary drugs in egg, fish and meat using high-resolution liquid chromatography accurate mass time-of-flight mass spectrometry. Journal of Chromatography A, 2009, 1216, 8206-8216. | 3.7 | 184 |
| 10 | Sub-chronic toxicity study in rats orally exposed to nanostructured silica. Particle and Fibre Toxicology, 2014, 11, 8. | 6.2 | 164 |
| 11 | Oral intake of added titanium dioxide and its nanofraction from food products, food supplements and toothpaste by the Dutch population. Nanotoxicology, 2016, 10, 1404-1414. | 3.0 | 158 |
| 12 | Detection of nanoparticles in Dutch surface waters. Science of the Total Environment, 2018, 621, 210-218. | 8.0 | 157 |
| 13 | Development and validation of single particle ICP-MS for sizing and quantitative determination of nano-silver in chicken meat. Analytical and Bioanalytical Chemistry, 2014, 406, 3875-85. | 3.7 | 126 |
| 14 | Current Insights into Monitoring, Bioaccumulation, and Potential Health Effects of Microplastics Present in the Food Chain. Foods, 2020, 9, 72. | 4.3 | 124 |
| 15 | Progress and future of in vitro models to study translocation of nanoparticles. Archives of Toxicology, 2015, 89, 1469-1495. | 4.2 | 117 |
| 16 | Detection of titanium particles in human liver and spleen and possible health implications. Particle and Fibre Toxicology, 2018, 15, 15. | 6.2 | 115 |
| 17 | Effects of silver nanoparticles (NMâ€300K) on Lumbricus rubellus earthworms and particle characterization in relevant test matrices including soil. Environmental Toxicology and Chemistry, 2014, 33, 743-752. | 4.3 | 85 |
| 18 | Identification and characterization of organic nanoparticles in food. TrAC - Trends in Analytical Chemistry, 2011, 30, 100-112. | 11.4 | 84 |

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|---|---|---|---|
| 19 | Multi-element analysis of single nanoparticles by ICP-MS using quadrupole and time-of-flight technologies. Journal of Analytical Atomic Spectrometry, 2018, 33, 835-845. | 3.0 | 74 |
| 20 | Silicon dioxide and titanium dioxide particles found in human tissues. Nanotoxicology, 2020, 14, 420-432. | 3.0 | 64 |
| 21 | International interlaboratory study for sizing and quantification of Ag nanoparticles in food simulants by single-particle ICPMS. Analytical and Bioanalytical Chemistry, 2014, 406, 3835-3843. | 3.7 | 63 |
| 22 | Properties of silver nanoparticles influencing their uptake in and toxicity to the earthworm Lumbricus rubellus following exposure in soil. Environmental Pollution, 2016, 218, 870-878. | 7.5 | 63 |
| 23 | Inventory of Nanotechnology applications in the agricultural, feed and food sector. EFSA Supporting Publications, 2014, 11, 621E. | 0.7 | 57 |
| 24 | Analytical approaches for the characterization and quantification of nanoparticles in food and beverages. Analytical and Bioanalytical Chemistry, 2017, 409, 63-80. | 3.7 | 57 |
| 25 | Safety and Transfer Study: Transfer of Bromoform Present in Asparagopsis taxiformis to Milk and Urine of Lactating Dairy Cows. Foods, 2021, 10, 584. | 4.3 | 56 |
| 26 | Simultaneous extraction and determination of HBCD isomers and TBBPA by ASE and LCâ€“MSMS in fish. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 898, 101-110. | 2.3 | 55 |
| 27 | Meeting the Needs for Released Nanomaterials Required for Further Testingâ€”The SUN Approach. Environmental Science & Technology, 2016, 50, 2747-2753. | 10.0 | 55 |
| 28 | Ageing, dissolution and biogenic formation of nanoparticles: how do these factors affect the uptake kinetics of silver nanoparticles in earthworms?. Environmental Science: Nano, 2018, 5, 1107-1116. | 4.3 | 51 |
| 29 | Generic sample preparation combined with high-resolution liquid chromatographyâ€“time-of-flight mass spectrometry for unification of urine screening in doping-control laboratories. Analytical and Bioanalytical Chemistry, 2010, 396, 2583-2598. | 3.7 | 50 |
| 30 | Particle size analysis of pristine food-grade titanium dioxide and E 171 in confectionery products: Interlaboratory testing of a single-particle inductively coupled plasma mass spectrometry screening method and confirmation with transmission electron microscopy. Food Control, 2021, 120, 107550. | 5.5 | 48 |
| 31 | Method for Extraction and Quantification of Metal-Based Nanoparticles in Biological Media: Number-Based Biodistribution and Bioconcentration. Environmental Science & Technology, 2019, 53, 946-953. | 10.0 | 44 |
| 32 | Possible effects of titanium dioxide particles on human liver, intestinal tissue, spleen and kidney after oral exposure. Nanotoxicology, 2020, 14, 985-1007. | 3.0 | 44 |
| 33 | Identification of anabolic steroids and derivatives using bioassay-guided fractionation, UHPLC/TOFMS analysis and accurate mass database searching. Analytica Chimica Acta, 2010, 664, 77-88. | 5.4 | 43 |
| 34 | Results of an interlaboratory method performance study for the size determination and quantification of silver nanoparticles in chicken meat by single-particle inductively coupled plasma mass spectrometry (sp-ICP-MS). Analytical and Bioanalytical Chemistry, 2017, 409, 4839-4848. | 3.7 | 41 |
| 35 | Characterisation and quantification of liposome-type nanoparticles in a beverage matrix using hydrodynamic chromatography and MALDIâ€“TOF mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 1181-1189. | 3.7 | 31 |
| 36 | Xeno-estrogenic compounds in precipitation. Journal of Environmental Monitoring, 2008, 10, 760. | 2.1 | 29 |

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| 37 | Physicochemical characterization of titanium dioxide pigments using various techniques for size determination and asymmetric flow field flow fractionation hyphenated with inductively coupled plasma mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 6679-6691. | 3.7 | 29 |
| 38 | A novel method for the quantification, characterisation and speciation of silver nanoparticles in earthworms exposed in soil. Environmental Chemistry, 2015, 12, 643. | 1.5 | 26 |
| 39 | Sticky Measurement Problem: Number Concentration of Agglomerated Nanoparticles. Langmuir, 2019, 35, 4927-4935. | 3.5 | 26 |
| 40 | Scientific opinion on the proposed amendment of the EU specifications for titanium dioxide (EÂ171) with respect to the inclusion of additional parameters related to its particle size distribution. EFSA Journal, 2019, 17, e05760. | 1.8 | 23 |
| 41 | Transfer Study of Silver Nanoparticles in Poultry Production. Journal of Agricultural and Food Chemistry, 2017, 65, 3767-3774. | 5.2 | 22 |
| 42 | Searching for in silico predicted metabolites and designer modifications of (cortico)steroids in urine by highâ€resolution liquid chromatography/timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 2329-2337. | 1.5 | 20 |
| 43 | Brominated flame retardants in animal derived foods in the Netherlands between 2009 and 2014. Chemosphere, 2019, 234, 171-178. | 8.2 | 15 |
| 44 | Versailles project on advanced materials and standards (VAMAS) interlaboratory study on measuring the number concentration of colloidal gold nanoparticles. Nanoscale, 2022, 14, 4690-4704. | 5.6 | 15 |
| 45 | Determination of the Transport Efficiency in spICP-MS Analysis Using Conventional Sample Introduction Systems: An Interlaboratory Comparison Study. Nanomaterials, 2022, 12, 725. | 4.1 | 14 |
| 46 | Experimental Flight Patterns Evaluation for a UAV-Based Air Pollutant Sensor. Micromachines, 2020, 11, 768. | 2.9 | 12 |
| 47 | Bioaccumulation and in vivo formation of titanium dioxide nanoparticles in edible mussels. Food Chemistry, 2020, 323, 126841. | 8.2 | 12 |
| 48 | Transport of silver nanoparticles by runoff and erosion â€“ A flume experiment. Science of the Total Environment, 2017, 601-602, 1418-1426. | 8.0 | 9 |
| 49 | Issues currently complicating the risk assessment of synthetic amorphous silica (SAS) nanoparticles after oral exposure. Nanotoxicology, 2021, 15, 1-29. | 3.0 | 9 |
| 50 | Practical estimation of the uncertainty of analytical measurement standards. Accreditation and Quality Assurance, 2011, 16, 567-574. | 0.8 | 5 |
| 51 | Nanoparticle Tracking Analysis of Gold Nanoparticles in Aqueous Media through an Inter-Laboratory Comparison. Journal of Visualized Experiments, 2020, , . | 0.3 | 3 |
| 52 | Benchmarking the ACEnano Toolbox for Characterisation of Nanoparticle Size and Concentration by Interlaboratory Comparisons. Molecules, 2021, 26, 5315. | 3.8 | 2 |
| 53 | Automation and Standardizationâ€"A Coupled Approach towards Reproducible Sample Preparation Protocols for Nanomaterial Analysis. Molecules, 2022, 27, 985. | 3.8 | 0 |