

# Qian Xu

## List of Publications by Year in descending order

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101  
papers

2,613  
citations

201575

27  
h-index

223716

46  
g-index

104  
all docs

104  
docs citations

104  
times ranked

3463  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Application of polydopamine fibers mat for simultaneous detection of multi-class drug residues in various animal-original foods. <i>Food Control</i> , 2022, 132, 108523.   | 2.8 | 12        |
| 2  | Resveratrol-Loaded Poly(D,L-lactide-co-glycolide) Microspheres Integrated in a Hyaluronic Acid Injectable Hydrogel for Cartilage Regeneration. <i>Advanced NanoBiomed Research</i> , 2022, 2, .                                       | 1.7 | 4         |
| 3  | Efficient, rapid and simple adsorption method by polydopamine polystyrene nanofibers mat for removal of multi-class antibiotic residues in environmental water. <i>Chemosphere</i> , 2022, 288, 132616.                               | 4.2 | 15        |
| 4  | Steatosis induced by nonylphenol in HepG2 cells and the intervention effect of curcumin. <i>Food and Function</i> , 2022, 13, 327-343.  | 2.1 | 15        |
| 5  | Metabolomics in liver injury induced by dietary cadmium exposure and protective effect of calcium supplementation. <i>Analytical Biochemistry</i> , 2022, 641, 114556.  | 1.1 | 7         |
| 6  | Efficient and simple simultaneous adsorption removal of multiple aflatoxins from various liquid foods. <i>Food Chemistry</i> , 2022, 380, 132176.   | 4.2 | 8         |
| 7  | Improving the Reverberation Chamber Performance Using a Reconfigurable Source Stirring Antenna Array. <i>Electronics (Switzerland)</i> , 2022, 11, 1462.  | 1.8 | 0         |
| 8  | Electrospun chitosan/polyethylene oxide nanofibers mat loaded with copper (II) as a new sensor for colorimetric detection of tetracycline. <i>International Journal of Biological Macromolecules</i> , 2022, 212, 527-535.            | 3.6 | 6         |
| 9  | In situ-crosslinked hydrogel-induced experimental glaucoma model with persistent ocular hypertension and neurodegeneration. <i>Biomaterials Science</i> , 2022, 10, 5006-5017.  | 2.6 | 7         |
| 10 | Improving Biological Functions of Three-Dimensional Printed Ti2448 Scaffolds by Decoration with Polydopamine and Extracellular Matrices. <i>ACS Applied Bio Materials</i> , 2022, 5, 3982-3990.                                       | 2.3 | 3         |
| 11 | A nanofiber-mat-based solid-phase sensor for sensitive ratiometric fluorescent sensing and fine visual colorimetric detection of tetracycline. <i>Food Chemistry</i> , 2022, 395, 133597.   | 4.2 | 15        |
| 12 | Vitrectomy with fovea-sparing ILM peeling versus total ILM peeling for myopic traction maculopathy: A meta-analysis. <i>European Journal of Ophthalmology</i> , 2021, 31, 2596-2605.  | 0.7 | 8         |
| 13 | Sodium 4-styrenesulfonate functionalized nanofibers mat as 96-well plate solid-phase extraction adsorbent for quantitative determination of multiple Î²-agonists residues in pork samples. <i>Food Chemistry</i> , 2021, 335, 127631. | 4.2 | 11        |
| 14 | A chondroitin sulfate based injectable hydrogel for delivery of stem cells in cartilage regeneration. <i>Biomaterials Science</i> , 2021, 9, 4139-4148.   | 2.6 | 41        |
| 15 | Effect of strain engineering on superlubricity in a double-walled carbon nanotube. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4988-5000.  | 1.3 | 8         |
| 16 | A Fluorescent Sensor for Daunorubicin Determination Using 808-nm-excited Upconversion Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2868-2876.                                     | 1.9 | 4         |
| 17 | Rapid and sensitive fluorescence sensing detection of nitroaromatic compounds in water samples based on pyrene functionalized nanofibers mat prepared via green approach. <i>Microchemical Journal</i> , 2021, 165, 106175.           | 2.3 | 10        |
| 18 | A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. <i>Macromolecular Bioscience</i> , 2021, 21, e2100079.   | 2.1 | 5         |

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|----|--|------|-----------|
| 19 | Design, synthesis of novel celastrol derivatives and study on their antitumor growth through HIF-1 $\alpha$ pathway. <i>European Journal of Medicinal Chemistry</i> , 2021, 220, 113474.   | 2.6  | 13        |
| 20 | Polymer for Internal Hydrophobization of Cement-Based Materials: Design, Synthesis, and Properties. <i>Polymers</i> , 2021, 13, 3069.  | 2.0  | 2         |
| 21 | Lubrication Performance of Hydrogenated Graphene on Diamond-Like Carbon Films Based on Molecular Dynamics Simulation. <i>Tribology Letters</i> , 2021, 69, 1.  | 1.2  | 12        |
| 22 | An Injectable Chitosan-Based Self-Healable Hydrogel System as an Antibacterial Wound Dressing. <i>Materials</i> , 2021, 14, 5956.  | 1.3  | 40        |
| 23 | Comparison of the Therapeutic Effects of Native and Anionic Nanofibrillar Cellulose Hydrogels for Full-Thickness Skin Wound Healing. <i>Micro</i> , 2021, 1, 194-214.  | 0.9  | 6         |
| 24 | Novel tissue-engineered skin equivalent from recombinant human collagen hydrogel and fibroblasts facilitated full-thickness skin defect repair in a mouse model. <i>Materials Science and Engineering C</i> , 2021, 130, 112469.             | 3.8  | 9         |
| 25 | Zinc supplement ameliorates phthalates-induced reproductive toxicity in male rats. <i>Chemosphere</i> , 2020, 246, 125828.   | 4.2  | 15        |
| 26 | Simultaneous extraction of four plant growth regulators residues in vegetable samples using solid phase extraction based on thiol-functionalized nanofibers mat. <i>Food Chemistry</i> , 2020, 310, 125859.                                  | 4.2  | 17        |
| 27 | Toxicokinetics and distribution in female rats after chronic nonylphenol exposure. <i>Toxicology and Industrial Health</i> , 2020, 36, 925-935.  | 0.6  | 3         |
| 28 | Determination of urinary carnitine levels as a potential indicator of uterine fibroids caused by nonylphenol exposure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1152, 122248. | 1.2  | 1         |
| 29 | Instant Gelation System as Self-Healable and Printable 3D Cell Culture Bioink Based on Dynamic Covalent Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 38918-38924.  | 4.0  | 26        |
| 30 | Effects of nonylphenol induced oxidative stress on apoptosis and autophagy in rat ovarian granulosa cells. <i>Chemosphere</i> , 2020, 261, 127693.   | 4.2  | 30        |
| 31 | Complex polymer architectures through free-radical polymerization of multivinyl monomers. <i>Nature Reviews Chemistry</i> , 2020, 4, 194-212.  | 13.8 | 93        |
| 32 | Cartilage-Derived Progenitor Cell-Laden Injectable Hydrogel—An Approach for Cartilage Tissue Regeneration. <i>ACS Applied Bio Materials</i> , 2020, 3, 4756-4765.  | 2.3  | 25        |
| 33 | Novel injectable and self-setting composite materials for bone defect repair. <i>Science China Materials</i> , 2020, 63, 876-887.  | 3.5  | 11        |
| 34 | Green Synthetic Approach for Photo-Cross-Linkable Methacryloyl Hyaluronic Acid with a Tailored Substitution Degree. <i>Biomacromolecules</i> , 2020, 21, 2229-2235.  | 2.6  | 12        |
| 35 | Rapid, simple and green solid phase extraction based on polyaniline nanofibers-mat for detecting non-steroidal anti-inflammatory drug residues in animal-origin food. <i>Food Chemistry</i> , 2020, 328, 127097.                             | 4.2  | 20        |
| 36 | Serum metabolomics analysis of the intervention effect of whole grain oats on insulin resistance induced by high-fat diet in rats. <i>Food Research International</i> , 2020, 135, 109297.   | 2.9  | 12        |

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|----|---|-----|-----------|
| 37 | Nanofibers mat as sampling module of direct analysis in real time mass spectrometry for sensitive and high-throughput screening of illegally adulterated sulfonylureas in antidiabetic health-care teas. <i>Talanta</i> , 2019, 204, 753-761.                           | 2.9 | 21        |
| 38 | Bacteria-Resistant Single Chain Cyclized/Knotted Polymer Coatings. <i>Angewandte Chemie</i> , 2019, 131, 10726-10730.   | 1.6 | 0         |
| 39 | High-Throughput and High-Efficient Micro-solid Phase Extraction Based on Sulfonated-Polyaniline/Polyacrylonitrile Nanofiber Mats for Determination of Fluoroquinolones in Animal-Origin Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6892-6901. | 2.4 | 28        |
| 40 | Bacteria-Resistant Single Chain Cyclized/Knotted Polymer Coatings. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10616-10620.  | 7.2 | 14        |
| 41 | Simple, efficient and eco-friendly sample preparation for simultaneous determination of paracetamol and chloramphenicol in meat. <i>Journal of Separation Science</i> , 2019, 42, 2696-2705.  | 1.3 | 8         |
| 42 | Protective Effects of Moderate Ca Supplementation against Cd-Induced Bone Damage under Different Population-Relevant Doses in Young Female Rats. <i>Nutrients</i> , 2019, 11, 849.  | 1.7 | 10        |
| 43 | Evaluation of toxicokinetics of nonylphenol in the adult female Sprague-Dawley rats using a physiologically based toxicokinetic model. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 105, 42-50.  | 1.3 | 12        |
| 44 | Parametric Testing of Metasurface Stirrers for Metasurfaced Reverberation Chambers. <i>Sensors</i> , 2019, 19, 976.   | 2.1 | 2         |
| 45 | Design and Evaluation of Planar Bifilar Helical Antennas for Radio Frequency Identification Tags. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2642-2646.  | 2.4 | 3         |
| 46 | A nanofiber mat prepared from sulfonated polyaniline for solid-phase extraction of fluoroquinolones from water and biological fluids prior to their quantitation by UPLC-MS/MS. <i>Mikrochimica Acta</i> , 2019, 186, 857.  | 2.5 | 21        |
| 47 | An Nd <sup>3+</sup> -Sensitized Upconversion Fluorescent Sensor for Epirubicin Detection. <i>Nanomaterials</i> , 2019, 9, 1700.   | 1.9 | 10        |
| 48 | Manipulation of Transgene Expression in Fibroblast Cells by a Multifunctional Linear-Branched Hybrid Poly(l <sup>2</sup> -Amino Ester) Synthesized through an Oligomer Combination Approach. <i>Nano Letters</i> , 2019, 19, 381-391.                                   | 4.5 | 48        |
| 49 | Rebuilding Postinfarcted Cardiac Functions by Injecting TIIA@PDA Nanoparticle-Cross-linked ROS-Sensitive Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2880-2890.  | 4.0 | 79        |
| 50 | Crystal structure and anti-inflammatory and anaphylactic effects of andrographide sulphonate E in Xiyanning, a traditional Chinese medicine injection. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 251-259.   | 1.2 | 21        |
| 51 | Novel nanofibers mat as an efficient, fast and reusable adsorbent for solid phase extraction of non-steroidal anti-inflammatory drugs in environmental water. <i>Journal of Hazardous Materials</i> , 2019, 363, 81-89.   | 6.5 | 68        |
| 52 | Double-Cross-Linked Hydrogel Strengthened by UV Irradiation from a Hyperbranched PEG-Based Trifunctional Polymer. <i>ACS Macro Letters</i> , 2018, 7, 509-513.  | 2.3 | 39        |
| 53 | Chronic low-dose exposure of nonylphenol alters energy homeostasis in the reproductive system of female rats. <i>Toxicology and Applied Pharmacology</i> , 2018, 348, 67-75.  | 1.3 | 25        |
| 54 | Combined effects of simultaneous exposure to six phthalates and emulsifier glycerol monosterate on male reproductive system in rats. <i>Toxicology and Applied Pharmacology</i> , 2018, 341, 87-97.   | 1.3 | 24        |

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|----|---|-----|-----------|
| 55 | Metasurfaced Reverberation Chamber. <i>Scientific Reports</i> , 2018, 8, 1577.  | 1.6 | 6         |
| 56 | Injectable hyperbranched poly( $\beta$ -amino ester) hydrogels with on-demand degradation profiles to match wound healing processes. <i>Chemical Science</i> , 2018, 9, 2179-2187.  | 3.7 | 123       |
| 57 | Enhancing the Number of Modes in Metasurfaced Reverberation Chambers for Field Uniformity Improvement. <i>Sensors</i> , 2018, 18, 3301.   | 2.1 | 6         |
| 58 | Monitoring three typical phenol endocrine disrupting compounds in drinking water of Suzhou urban area " from raw water to tap water. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 921-937.  | 1.8 | 8         |
| 59 | Versatile Hyperbranched Poly( $\beta$ -hydrazide ester) Macromers as Injectable Antioxidative Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39494-39504.   | 4.0 | 35        |
| 60 | Determination of Five Sex Hormones in Urine Samples for Early Evaluation of Male Reproductive Toxicity Induced by Phthalate Esters in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10588-10597.  | 2.4 | 10        |
| 61 | A hybrid injectable hydrogel from hyperbranched PEG macromer as a stem cell delivery and retention platform for diabetic wound healing. <i>Acta Biomaterialia</i> , 2018, 75, 63-74.  | 4.1 | 213       |
| 62 | High tRNA Transferase <i>NSUN2</i> Gene Expression is Associated with Poor Prognosis in Head and Neck Squamous Carcinoma. <i>Cancer Investigation</i> , 2018, 36, 246-253.  | 0.6 | 54        |
| 63 | A complex micellar system co-delivering curcumin with doxorubicin against cardiotoxicity and tumor growth. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4549-4561.   | 3.3 | 59        |
| 64 | Structural Design of Robust and Biocompatible Photonic Hydrogels from an In Situ Cross-Linked Hyperbranched Polymer System. <i>Chemistry of Materials</i> , 2018, 30, 6091-6098.  | 3.2 | 20        |
| 65 | Effects of six priority controlled phthalate esters with long-term low-dose integrated exposure on male reproductive toxicity in rats. <i>Food and Chemical Toxicology</i> , 2017, 101, 94-104.   | 1.8 | 69        |
| 66 | Simple and sensitive determination of atrazine and its toxic metabolites in environmental water by carboxyl modified polyacrylonitrile nanofibers mat-based solid-phase extraction coupled with liquid chromatography-diode array detection. <i>Journal of Chromatography A</i> , 2017, 1491, 16-26.  | 1.8 | 19        |
| 67 | Dietary restriction reduces blood lipids and ameliorates liver function of mice with hyperlipidemia. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2017, 37, 79-86.  | 1.0 | 13        |
| 68 | Hyperbranched PEG-based multi-NHS polymer and bioconjugation with BSA. <i>Polymer Chemistry</i> , 2017, 8, 1283-1287.   | 1.9 | 16        |
| 69 | Development and optimization of a novel sample preparation method based on functionalized nanofibers mat-solid-phase extraction for the simultaneous efficient extraction of illegal anionic and cationic dyes in foods. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5697-5709.  | 1.9 | 12        |
| 70 | Nanofibers mat-based solid-phase extraction method for the pretreatment of urine samples and its application in the primary study on the disposition of nonylphenol after long-term low-level exposure in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 146-152. | 1.2 | 4         |
| 71 | An amino-functionalized grooved nanofiber mat for solid-phase extraction of phenolic pollutants. <i>Mikrochimica Acta</i> , 2017, 184, 2861-2870.   | 2.5 | 11        |
| 72 | Co-delivery nanoparticles with characteristics of intracellular precision release drugs for overcoming multidrug resistance. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2081-2108.   | 3.3 | 36        |

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|----|--|-----|-----------|
| 73 | Food Emulsifier Glycerin Monostearate Increases Internal Exposure Levels of Six Priority Controlled Phthalate Esters and Exacerbates Their Male Reproductive Toxicities in Rats. <i>PLoS ONE</i> , 2016, 11, e0161253.   | 1.1 | 14        |
| 74 | A high-throughput nanofibers mat-based micro-solid phase extraction for the determination of cationic dyes in wastewater. <i>Journal of Chromatography A</i> , 2016, 1460, 24-32.  | 1.8 | 56        |
| 75 | Anticancer Drug Disulfiram for In Situ RAFT Polymerization: Controlled Polymerization, Multifacet Self-Assembly, and Efficient Drug Delivery. <i>ACS Macro Letters</i> , 2016, 5, 1266-1272.   | 2.3 | 28        |
| 76 | CS/PAA@TPGS/PLGA nanoparticles with intracellular pH-sensitive sequential release for delivering drug to the nucleus of MDR cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 716-727.   | 2.5 | 20        |
| 77 | A simple, fast and green nanofibers mat-based disk solid-phase extraction technique for chrysoidine analysis in soybean products. <i>Analytical Methods</i> , 2016, 8, 2837-2844.  | 1.3 | 5         |
| 78 | Prediction of the bioaccumulation of PAHs in surface sediments of Bohai Sea, China and quantitative assessment of the related toxicity and health risk to humans. <i>Marine Pollution Bulletin</i> , 2016, 104, 92-100.  | 2.3 | 59        |
| 79 | TPGS<sub>2k</sub>/PLGA Nanoparticles for Overcoming Multidrug Resistance by Interfering Mitochondria of Human Alveolar Adenocarcinoma Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 3888-3901.   | 4.0 | 39        |
| 80 | Disks solid phase extraction based polypyrrole functionalized core-shell nanofibers mat. <i>Talanta</i> , 2015, 144, 129-135.  | 2.9 | 35        |
| 81 | Atrazine adsorption removal with nylon6/polypyrrole core-shell nanofibers mat: possible mechanism and characteristics. <i>Nanoscale Research Letters</i> , 2015, 10, 207.  | 3.1 | 42        |
| 82 | Application of Nylon6/Polypyrrole core-shell nanofibres mat as solid-phase extraction adsorbent for the determination of atrazine in environmental water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1112-1123.                  | 1.8 | 8         |
| 83 | Food Emulsifier Polysorbate 80 Increases Intestinal Absorption of Di-(2-Ethylhexyl) Phthalate in Rats. <i>Toxicological Sciences</i> , 2014, 139, 317-327.   | 1.4 | 25        |
| 84 | Nylon 6 electrospun nanofibers mat as effective sorbent for the removal of estrogens: kinetic and thermodynamic studies. <i>Nanoscale Research Letters</i> , 2014, 9, 353.   | 3.1 | 24        |
| 85 | Electrochemical biosensor based on functional composite nanofibers for detection of K-ras gene via multiple signal amplification strategy. <i>Analytical Biochemistry</i> , 2014, 466, 51-58.  | 1.1 | 31        |
| 86 | Does nonylphenol promote the growth of uterine fibroids?. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 178, 134-137.   | 0.5 | 12        |
| 87 | An evidence in vitro for the influence of bisphenol A on uterine leiomyoma. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 178, 80-83.   | 0.5 | 22        |
| 88 | Measurement of phenolic environmental estrogens in human urine samples by HPLC-MS/MS and primary discussion the possible linkage with uterine leiomyoma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 938, 80-85. | 1.2 | 56        |
| 89 | NMR spectroscopy and multivariate statistical analysis of metabonomic changes in <i>Allium macrostemon</i> Bunge extracts induced by different drying methods. <i>Analytical Methods</i> , 2013, 5, 6219.  | 1.3 | 3         |
| 90 | Application of response surface methodology to optimise extraction of flavonoids from <i>fructus sophorae</i> . <i>Food Chemistry</i> , 2013, 138, 2122-2129.  | 4.2 | 82        |

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|-----|---|-----|-----------|
| 91  | Preparation, &lt;/>In Vitro&lt;/> and &lt;/>In Vivo&lt;/> Evaluation of Budesonide Loaded Core/Shell Nanofibers as Oral Colonic Drug Delivery System. Journal of Nanoscience and Nanotechnology, 2013, 13, 149-156.   | 0.9 | 25        |
| 92  | Measurement of Phenolic Environmental Estrogens in Women with Uterine Leiomyoma. PLoS ONE, 2013, 8, e79838.   | 1.1 | 51        |
| 93  | Determination of Phthalates Esters in Edible Oil by High Performance Liquid Chromatography with Solid-membrane Extraction Based on Electrospun Nylon 6 Nanofibrous Membrane. Chinese Journal of Analytical Chemistry, 2013, 41, 1837.   | 0.9 | 7         |
| 94  | Trace analysis of diethylstilbestrol, dienestrol and hexestrol in environmental water by Nylon 6 nanofibers mat-based solid-phase extraction coupled with liquid chromatography-mass spectrometry. Analyst, The, 2011, 136, 5030.   | 1.7 | 37        |
| 95  | Time-stretch analog-to-digital conversion with a photonic crystal fiber. Optoelectronics Letters, 2011, 7, 143-146.   | 0.4 | 1         |
| 96  | Detection of Phthalate Esters in Environmental Water Samples â€œComparison of Nylon6 Nanofibers Matâ€based Solid Phase Extraction and Other Conventional Extraction Methods. Chinese Journal of Chemistry, 2011, 29, 567-574.   | 2.6 | 12        |
| 97  | Electrospun Nylon6 Nanofibrous Membrane as SPE Adsorbent for the Enrichment and Determination of Three Estrogens in Environmental Water Samples. Chromatographia, 2010, 71, 487-492.  | 0.7 | 66        |
| 98  | Determination of phthalate esters in water samples using Nylon6 nanofibers mat-based solid-phase extraction coupled to liquid chromatography. Mikrochimica Acta, 2010, 168, 267-275.  | 2.5 | 78        |
| 99  | Development and validation of a nylon6 nanofibers mat-based SPE coupled with HPLC method for the determination of docetaxel in rabbit plasma and its application to the relative bioavailability study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2403-2408. | 1.2 | 24        |
| 100 | Analysis of Phthalate Migration from Plastic Containers to Packaged Cooking Oil and Mineral Water. Journal of Agricultural and Food Chemistry, 2010, 58, 11311-11317.   | 2.4 | 77        |
| 101 | Improving the working volume by a <sc>highâ€efficiency</sc> antenna array in a reverberation chamber for <sc>5G</sc> testing. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .  | 0.8 | 0         |