

# Jingwen Chen

## List of Publications by Citations

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359  
papers

10,534  
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h-index

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ext. papers

12,467  
ext. citations

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L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 359 | External validation and prediction employing the predictive squared correlation coefficient test set activity mean vs training set activity mean. <i>Journal of Chemical Information and Modeling</i> , <b>2008</b> , 48, 2140-5  | 6.1  | 395       |
| 358 | Performance of nano-Co <sub>3</sub> O <sub>4</sub> /peroxymonosulfate system: Kinetics and mechanism study using Acid Orange 7 as a model compound. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 80, 116-121   | 21.8 | 313       |
| 357 | Aquatic photochemistry of fluoroquinolone antibiotics: kinetics, pathways, and multivariate effects of main water constituents. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 2400-5  | 10.3 | 209       |
| 356 | Hormone activity of hydroxylated polybrominated diphenyl ethers on human thyroid receptor-beta: in vitro and in silico investigations. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 602-6  | 8.4  | 194       |
| 355 | Image Blind Denoising with Generative Adversarial Network Based Noise Modeling <b>2018</b> ,  |      | 184       |
| 354 | Distribution and sources of polycyclic aromatic hydrocarbons from urban to rural soils: a case study in Dalian, China. <i>Chemosphere</i> , <b>2007</b> , 68, 965-71  | 8.4  | 158       |
| 353 | An electrochemical sensor based on molecularly imprinted polypyrrole/graphene quantum dots composite for detection of bisphenol A in water samples. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 233, 599-606   | 8.5  | 146       |
| 352 | A Review of the Properties and Processes Determining the Fate of Engineered Nanomaterials in the Aquatic Environment. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2015</b> , 45, 2084-2134   | 11.1 | 145       |
| 351 | Adsorption mechanism-based screening of cyclodextrin polymers for adsorption and separation of pesticides from water. <i>Water Research</i> , <b>2011</b> , 45, 3499-511  | 12.5 | 145       |
| 350 | Antibiotics in the coastal water of the South Yellow Sea in China: Occurrence, distribution and ecological risks. <i>Science of the Total Environment</i> , <b>2017</b> , 595, 521-527  | 10.2 | 141       |
| 349 | Bioaccumulation and trophic transfer of short chain chlorinated paraffins in a marine food web from Liaodong Bay, North China. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5964-71  | 10.3 | 126       |
| 348 | Insights into aquatic toxicities of the antibiotics oxytetracycline and ciprofloxacin in the presence of metal: complexation versus mixture. <i>Environmental Pollution</i> , <b>2012</b> , 166, 48-56  | 9.3  | 126       |
| 347 | Light-source-dependent effects of main water constituents on photodegradation of phenicol antibiotics: mechanism and kinetics. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3101-7   | 10.3 | 119       |
| 346 | Enhancement of hexavalent chromium reduction and electricity production from a biocathode microbial fuel cell. <i>Bioprocess and Biosystems Engineering</i> , <b>2010</b> , 33, 937-45  | 3.7  | 116       |
| 345 | Distinct photolytic mechanisms and products for different dissociation species of ciprofloxacin. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4284-90  | 10.3 | 111       |
| 344 | Kinetics of oxidative decolorization and mineralization of Acid Orange 7 by dark and photoassisted Co <sup>2+</sup> -catalyzed peroxymonosulfate system. <i>Chemosphere</i> , <b>2007</b> , 67, 802-8   | 8.4  | 107       |
| 343 | An electrochemically enhanced solid-phase microextraction approach based on molecularly imprinted polypyrrole/multi-walled carbon nanotubes composite coating for selective extraction of fluoroquinolones in aqueous samples. <i>Analytica Chimica Acta</i> , <b>2012</b> , 727, 26-33 | 6.6  | 105       |

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|-----|--|------|----|
| 342 | Sources and seasonal variation of atmospheric polycyclic aromatic hydrocarbons in Dalian, China: Factor analysis with non-negative constraints combined with local source fingerprints. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 2747-2753 | 5.3  | 98 |
| 341 | Nutrients, heavy metals and microbial communities co-driven distribution of antibiotic resistance genes in adjacent environment of mariculture. <i>Environmental Pollution</i> , <b>2017</b> , 220, 909-918  | 9.3  | 92 |
| 340 | Antibiotic Pollution in Marine Food Webs in Laizhou Bay, North China: Trophodynamics and Human Exposure Implication. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2392-2400   | 10.3 | 91 |
| 339 | Preparation of molecularly imprinted polymer nanoparticles for selective removal of fluoroquinolone antibiotics in aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 750-7  | 12.8 | 88 |
| 338 | Disappearance of polycyclic aromatic hydrocarbons sorbed on surfaces of pine [ <i>Pinus thunbergii</i> ] needles under irradiation of sunlight: Volatilization and photolysis. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 4583-4591          | 5.3  | 88 |
| 337 | Preparation and evaluation of molecularly imprinted solid-phase microextraction fibers for selective extraction of bisphenol A in complex samples. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5647-5657                                | 4.5  | 86 |
| 336 | Quantum chemical investigation on the mechanism and kinetics of PBDE photooxidation by $\text{OH}$ : a case study for BDE-15. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4839-45  | 10.3 | 85 |
| 335 | Polycyclic aromatic hydrocarbons in Dalian soils: distribution and toxicity assessment. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 199-204  |      | 82 |
| 334 | Quantum chemical investigation and experimental verification on the aquatic photochemistry of the sunscreen 2-phenylbenzimidazole-5-sulfonic acid. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 7484-90                         | 10.3 | 81 |
| 333 | Aquatic toxicity of nanosilver colloids to different trophic organisms: contributions of particles and free silver ion. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 2408-13  | 3.8  | 78 |
| 332 | Photolysis of polycyclic aromatic hydrocarbons adsorbed on spruce [ <i>Picea abies</i> (L) Karst] needles under sunlight irradiation. <i>Environmental Pollution</i> , <b>2003</b> , 123, 39-45  | 9.3  | 78 |
| 331 | Carbon and electron fluxes during the electricity driven 1,3-propanediol biosynthesis from glycerol. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11199-205   | 10.3 | 75 |
| 330 | CoMPARA: Collaborative Modeling Project for Androgen Receptor Activity. <i>Environmental Health Perspectives</i> , <b>2020</b> , 128, 27002  | 8.4  | 70 |
| 329 | Enhancement of p,p'-DDT photodegradation on soil surfaces using TiO <sub>2</sub> induced by UV-light. <i>Chemosphere</i> , <b>2005</b> , 60, 266-73  | 8.4  | 70 |
| 328 | Source apportionment of PAHs in atmospheric particulates of Dalian: Factor analysis with nonnegative constraints and emission inventory analysis. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6666-6675                                       | 5.3  | 66 |
| 327 | Occurrence and gas/particle partitioning of short- and medium-chain chlorinated paraffins in the atmosphere of Fildes Peninsula of Antarctica. <i>Atmospheric Environment</i> , <b>2014</b> , 90, 10-15  | 5.3  | 65 |
| 326 | Fishmeal Application Induces Antibiotic Resistance Gene Propagation in Mariculture Sediment. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10850-10860   | 10.3 | 63 |
| 325 | Atmospheric chemical reactions of monoethanolamine initiated by OH radical: mechanistic and kinetic study. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1700-6  | 10.3 | 62 |

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|-----|---|------|----|
| 324 | Organophosphorus Flame Retardants and Plasticizers in Building and Decoration Materials and Their Potential Burdens in Newly Decorated Houses in China. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10991-10999 | 10.3 | 62 |
| 323 | Occurrence, distribution and ecological risks of antibiotics and pesticides in coastal waters around Liaodong Peninsula, China. <i>Science of the Total Environment</i> , <b>2019</b> , 656, 946-951                                  | 10.2 | 61 |
| 322 | Occurrence, removal, and risk assessment of antibiotics in 12 wastewater treatment plants from Dalian, China. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 16478-16487                                     | 5.1  | 59 |
| 321 | Long-term results of ammonia removal and transformation by biofiltration. <i>Journal of Hazardous Materials</i> , <b>2000</b> , 80, 259-69  | 12.8 | 59 |
| 320 | Quantitative structure-property relationships for octanol-air partition coefficients of polychlorinated biphenyls. <i>Chemosphere</i> , <b>2002</b> , 48, 535-44  | 8.4  | 58 |
| 319 | Bioaccumulation and Trophic Transfer of Emerging Organophosphate Flame Retardants in the Marine Food Webs of Laizhou Bay, North China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 13417-13426                  | 10.3 | 56 |
| 318 | Predicting gaseous reaction rates of short chain chlorinated paraffins with $\text{OH}$ : overcoming the difficulty in experimental determination. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13808-16         | 10.3 | 56 |
| 317 | Predicting rate constants of hydroxyl radical reactions with organic pollutants: Algorithm, validation, applicability domain, and mechanistic interpretation. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 11317-11354          | 5.3  | 54 |
| 316 | PAHs accelerate the propagation of antibiotic resistance genes in coastal water microbial community. <i>Environmental Pollution</i> , <b>2017</b> , 231, 1145-1152  | 9.3  | 53 |
| 315 | Important role of reaction field in photodegradation of deca-bromodiphenyl ether: theoretical and experimental investigations of solvent effects. <i>Chemosphere</i> , <b>2009</b> , 76, 1486-90                                      | 8.4  | 51 |
| 314 | Effects of Atmospheric Water on $\text{OH}$ -initiated Oxidation of Organophosphate Flame Retardants: A DFT Investigation on TCPP. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5043-5051                        | 10.3 | 50 |
| 313 | A microbial fuel cell-electro-oxidation system for coking wastewater treatment and bioelectricity generation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2010</b> , 85, 621-627                                     | 3.5  | 50 |
| 312 | Assessment of a model of pollution disaster in near-shore coastal waters based on catastrophe theory. <i>Ecological Modelling</i> , <b>2011</b> , 222, 307-312  | 3    | 49 |
| 311 | Simulating adsorption of organic pollutants on finite (8,0) single-walled carbon nanotubes in water. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8887-94  | 10.3 | 48 |
| 310 | Selective detection of nanomolar in aqueous solution based on functionalized gold nanoparticles. <i>Analytical Methods</i> , <b>2011</b> , 3, 343-347   | 3.2  | 48 |
| 309 | Simultaneous removal of ethyl acetate and toluene in air streams using compost-based biofilters. <i>Journal of Hazardous Materials</i> , <b>2002</b> , 95, 199-213  | 12.8 | 48 |
| 308 | Photodegradation of PCDD/Fs adsorbed on spruce ( <i>Picea abies</i> (L.) Karst.) needles under sunlight irradiation. <i>Chemosphere</i> , <b>2003</b> , 50, 1217-25   | 8.4  | 48 |
| 307 | Is it possible to develop a QSPR model for direct photolysis half-lives of PAHs under irradiation of sunlight?. <i>Environmental Pollution</i> , <b>2001</b> , 114, 137-43  | 9.3  | 48 |

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|-----|---|------|----|
| 306 | Uptake of perfluorooctane sulfonate (PFOS) by wheat ( <i>Triticum aestivum</i> L.) plant. <i>Chemosphere</i> , <b>2013</b> , 91, 139-44   | 8.4  | 47 |
| 305 | Phototransformation of 2,3-Dibromopropyl-2,4,6-tribromophenyl ether (DPTE) in Natural Waters: Important Roles of Dissolved Organic Matter and Chloride Ion. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10490-10499 | 10.3 | 46 |
| 304 | Congener-specific distribution and bioaccumulation of short-chain chlorinated paraffins in sediments and bivalves of the Bohai Sea, China. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 79, 299-304                                   | 6.7  | 46 |
| 303 | Effects of halide ions on photodegradation of sulfonamide antibiotics: Formation of halogenated intermediates. <i>Water Research</i> , <b>2016</b> , 102, 405-412   | 12.5 | 45 |
| 302 | Polybrominated diphenyl ethers in soils of the modern Yellow River Delta, China: occurrence, distribution and inventory. <i>Chemosphere</i> , <b>2012</b> , 88, 791-7   | 8.4  | 45 |
| 301 | How PBDEs Are Transformed into Dihydroxylated and Dioxin Metabolites Catalyzed by the Active Center of Cytochrome P450s: A DFT Study. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8155-63                           | 10.3 | 45 |
| 300 | Cation- $\pi$ Interaction: A Key Force for Sorption of Fluoroquinolone Antibiotics on Pyrogenic Carbonaceous Materials. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13659-13667                                     | 10.3 | 44 |
| 299 | Organophosphate esters in sediment cores from coastal Laizhou Bay of the Bohai Sea, China. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 103-108   | 10.2 | 44 |
| 298 | A structure-based investigation on the binding interaction of hydroxylated polycyclic aromatic hydrocarbons with DNA. <i>Toxicology</i> , <b>2009</b> , 262, 250-7  | 4.4  | 43 |
| 297 | Synergetic degradation of 2,4-D by integrated photo- and electrochemical catalysis on a Pt doped TiO <sub>2</sub> /Ti electrode. <i>Separation and Purification Technology</i> , <b>2004</b> , 34, 73-79                                  | 8.3  | 43 |
| 296 | Bioaccumulation and tissue distribution of antibiotics in wild marine fish from Laizhou Bay, North China. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 1398-1405  | 10.2 | 42 |
| 295 | Characterization of PBDEs and novel brominated flame retardants in seawater near a coastal mariculture area of the Bohai Sea, China. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 1446-1452                               | 10.2 | 41 |
| 294 | Biological uptake and depuration of sulfadiazine and sulfamethoxazole in common carp ( <i>Cyprinus carpio</i> ). <i>Chemosphere</i> , <b>2015</b> , 120, 592-7  | 8.4  | 41 |
| 293 | Aqueous OH Radical Reaction Rate Constants for Organophosphorus Flame Retardants and Plasticizers: Experimental and Modeling Studies. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2790-2799 <sup>41</sup>           | 10.3 | 41 |
| 292 | Different photolysis kinetics and photooxidation reactivities of neutral and anionic hydroxylated polybrominated diphenyl ethers. <i>Chemosphere</i> , <b>2013</b> , 90, 188-94   | 8.4  | 41 |
| 291 | Distribution of PAHs in pine ( <i>Pinus thunbergii</i> ) needles and soils correlates with their gas-particle partitioning. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 1336-41                                     | 10.3 | 41 |
| 290 | Development and evaluation of diffusive gradients in thin films technique for measuring antibiotics in seawater. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 1605-1612   | 10.2 | 40 |
| 289 | Global liver proteome analysis using iTRAQ labeling quantitative proteomic technology to reveal biomarkers in mice exposed to perfluorooctane sulfonate (PFOS). <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12170-7 | 10.3 | 40 |

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| 288 | Computational toxicological investigation on the mechanism and pathways of xenobiotics metabolized by cytochrome P450: a case of BDE-47. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5126-33                               | 10.3 | 40 |
| 287 | Quantum Chemical Study on $\text{Cl}^-$ -Initiated Atmospheric Degradation of Monoethanolamine. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13246-55   | 10.3 | 39 |
| 286 | Different effects of humic substances on photodegradation of p,p'-DDT on soil surfaces in the presence of $\text{TiO}_2$ under UV and visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2004</b> , 167, 177-183 | 4.7  | 39 |
| 285 | Quantitative predictive models for octanol-air partition coefficients of polybrominated diphenyl ethers at different temperatures. <i>Chemosphere</i> , <b>2003</b> , 51, 577-84   | 8.4  | 39 |
| 284 | DOM from mariculture ponds exhibits higher reactivity on photodegradation of sulfonamide antibiotics than from offshore seawaters. <i>Water Research</i> , <b>2018</b> , 144, 365-372  | 12.5 | 38 |
| 283 | Quantitative structure-property relationships on photolysis of PCDD/Fs adsorbed to spruce ( <i>Picea abies</i> (L.) Karst.) needle surfaces under sunlight irradiation. <i>Chemosphere</i> , <b>2005</b> , 58, 917-24                            | 8.4  | 38 |
| 282 | Photodegradation mechanism of sulfonamides with excited triplet state dissolved organic matter: a case of sulfadiazine with 4-carboxybenzophenone as a proxy. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 290, 9-15                    | 12.8 | 37 |
| 281 | Investigation and application of diffusive gradients in thin-films technique for measuring endocrine disrupting chemicals in seawaters. <i>Chemosphere</i> , <b>2018</b> , 200, 351-357  | 8.4  | 37 |
| 280 | pH-Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 467-471   | 16.4 | 37 |
| 279 | Phytotoxicity of PFOS and PFOA to <i>Brassica chinensis</i> in different Chinese soils. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 1343-7   | 7    | 36 |
| 278 | Toxicity profile of labile preservative bronopol in water: the role of more persistent and toxic transformation products. <i>Environmental Pollution</i> , <b>2011</b> , 159, 609-15   | 9.3  | 36 |
| 277 | Quantitative structure-activity relationship models for predicting reaction rate constants of organic contaminants with hydrated electrons and their mechanistic pathways. <i>Water Research</i> , <b>2019</b> , 151, 468-477 <sup>5</sup>       | 12.5 | 36 |
| 276 | Recyclable Capture and Destruction of Aqueous Micropollutants Using the Molecule-Specific Cavity of Cyclodextrin Polymer Coupled with $\text{KMnO}_4$ Oxidation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 9264-72       | 10.3 | 35 |
| 275 | Development of a model for predicting hydroxyl radical reaction rate constants of organic chemicals at different temperatures. <i>Chemosphere</i> , <b>2014</b> , 95, 613-8  | 8.4  | 35 |
| 274 | QSPR models for physicochemical properties of polychlorinated diphenyl ethers. <i>Science of the Total Environment</i> , <b>2003</b> , 305, 65-76  | 10.2 | 35 |
| 273 | Correlation between photolysis rate constants of polycyclic aromatic hydrocarbons and frontier molecular orbital energy. <i>Chemosphere</i> , <b>1996</b> , 33, 1143-1150  | 8.4  | 35 |
| 272 | Spinel-based ceramic membranes coupling solid sludge recycling with oily wastewater treatment. <i>Water Research</i> , <b>2020</b> , 169, 115180   | 12.5 | 35 |
| 271 | Deep learning for predicting toxicity of chemicals: a mini review. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , <b>2018</b> , 36, 252-271                                | 4.5  | 35 |



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|-----|---|------|----|
| 270 | Photolysis of three antiviral drugs acyclovir, zidovudine and lamivudine in surface freshwater and seawater. <i>Chemosphere</i> , <b>2015</b> , 138, 792-7  | 8.4  | 34 |
| 269 | Theoretical Investigation on the Different Reaction Mechanisms of Aqueous 2-Amino-2-methyl-1-propanol and Monoethanolamine with CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 3363-3372  | 3.9  | 34 |
| 268 | Time-dependent density functional theory study on the electronic excited-state hydrogen-bonding dynamics of 4-aminophthalimide (4AP) in aqueous solution: 4AP and 4AP-(H <sub>2</sub> O)(1,2) clusters. <i>Journal of Computational Chemistry</i> , <b>2010</b> , 31, 2157-63 | 3.5  | 34 |
| 267 | Toluene vapour degradation and microbial community in biofilter at various moisture content. <i>Process Biochemistry</i> , <b>2002</b> , 38, 109-113  | 4.8  | 34 |
| 266 | Quantitative structure-property relationship studies on direct photolysis of selected polycyclic aromatic hydrocarbons in atmospheric aerosol. <i>Chemosphere</i> , <b>2001</b> , 42, 263-70  | 8.4  | 34 |
| 265 | Quantitative structure-property relationship studies on n-octanol/water partitioning coefficients of PCDD/Fs. <i>Chemosphere</i> , <b>2001</b> , 44, 1369-74  | 8.4  | 34 |
| 264 | Development of a model for predicting reaction rate constants of organic chemicals with ozone at different temperatures. <i>Chemosphere</i> , <b>2013</b> , 92, 1029-34   | 8.4  | 33 |
| 263 | Bioaccumulation and trophic transfer of polybrominated diphenyl ethers (PBDEs) in a marine food web from Liaodong Bay, North China. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 74, 110-5  | 6.7  | 33 |
| 262 | C60-DOM interactions and effects on C60 apparent solubility: a molecular mechanics and density functional theory study. <i>Environment International</i> , <b>2011</b> , 37, 1078-82  | 12.9 | 33 |
| 261 | Levels and patterns of polybrominated diphenyl ethers in children's plasma from Dalian, China. <i>Environment International</i> , <b>2010</b> , 36, 163-7   | 12.9 | 33 |
| 260 | Quantitative structure-property relationships for vapor pressures of polybrominated diphenyl ethers. <i>SAR and QSAR in Environmental Research</i> , <b>2003</b> , 14, 97-111   | 3.5  | 33 |
| 259 | Presence and environmental risk assessment of selected antibiotics in coastal water adjacent to mariculture areas in the Bohai Sea. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 177, 117-123  | 7    | 32 |
| 258 | Modeling photodegradation kinetics of organic micropollutants in water bodies: A case of the Yellow River estuary. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 349, 60-67   | 12.8 | 32 |
| 257 | Modeling photoinduced toxicity of PAHs based on DFT-calculated descriptors. <i>Chemosphere</i> , <b>2009</b> , 76, 999-1005   | 8.4  | 32 |
| 256 | Universal predictive models on octanol-air partition coefficients at different temperatures for persistent organic pollutants. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 2309-17  | 3.8  | 32 |
| 255 | In silico model for predicting soil organic carbon normalized sorption coefficient (K(OC)) of organic chemicals. <i>Chemosphere</i> , <b>2015</b> , 119, 438-444  | 8.4  | 31 |
| 254 | Effects of excited-state structures and properties on photochemical degradation of polybrominated diphenyl ethers: a TDDFT study. <i>Chemosphere</i> , <b>2012</b> , 88, 33-8   | 8.4  | 31 |
| 253 | Photochemical transformation of sunscreen agent benzophenone-3 and its metabolite in surface freshwater and seawater. <i>Chemosphere</i> , <b>2016</b> , 153, 494-9   | 8.4  | 31 |

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|-----|---|------|----|
| 252 | Uptake and metabolism of clarithromycin and sulfadiazine in lettuce. <i>Environmental Pollution</i> , <b>2019</b> , 247, 1134-1142  | 9.3  | 30 |
| 251 | Predicting anti-androgenic activity of bisphenols using molecular docking and quantitative structure-activity relationships. <i>Chemosphere</i> , <b>2016</b> , 163, 373-381  | 8.4  | 30 |
| 250 | Mathematical model for cyclodextrin alteration of bioavailability of organic pollutants. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5835-42  | 10.3 | 30 |
| 249 | Estrogenic activity of anthraquinone derivatives: in vitro and in silico studies. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 1349-55  | 4    | 30 |
| 248 | The role of UV-B on the degradation of PCDD/Fs and PAHs sorbed on surfaces of spruce ( <i>Picea abies</i> (L.) Karst.) needles. <i>Science of the Total Environment</i> , <b>2004</b> , 322, 231-41   | 10.2 | 30 |
| 247 | Source identification of PCDD/Fs and PCBs in pine ( <i>Cedrus deodara</i> ) needles: A case study in Dalian, China. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 4769-4777  | 5.3  | 29 |
| 246 | Evolution of toxicity upon hydrolysis of fenoxaprop-p-ethyl. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 7626-9   | 5.7  | 29 |
| 245 | Triazines in the aquatic systems of the Eastern Chinese Rivers Liao-He and Yangtze. <i>Chemosphere</i> , <b>2002</b> , 47, 455-66   | 8.4  | 29 |
| 244 | Quantitative structure-property relationships for direct photolysis quantum yields of selected polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , <b>2000</b> , 246, 11-20   | 10.2 | 29 |
| 243 | Photoinduced formation of reactive oxygen species and electrons from metal oxide/silica nanocomposite: An EPR spin-trapping study. <i>Applied Surface Science</i> , <b>2017</b> , 416, 281-287  | 6.7  | 28 |
| 242 | Screening and health risk of organic micropollutants in rural groundwater of Liaodong Peninsula, China. <i>Environmental Pollution</i> , <b>2016</b> , 218, 739-748   | 9.3  | 28 |
| 241 | Anionic phenolic compounds bind stronger with transthyretin than their neutral forms: nonnegligible mechanisms in virtual screening of endocrine disrupting chemicals. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 1340-7              | 4    | 28 |
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