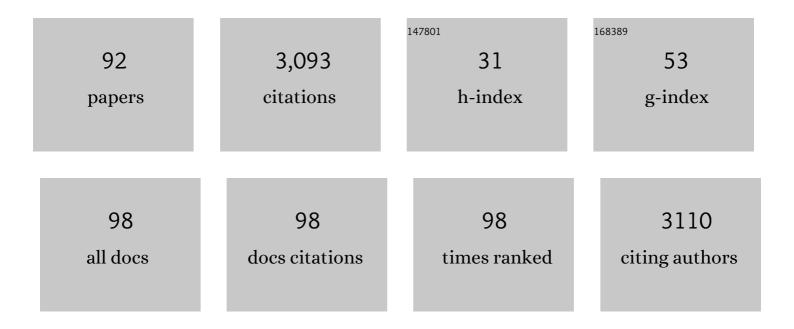
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mechanistic Investigation of H ₂ O ₂ â€dependent Chemiluminescence from Tetrabromoâ€1,4â€Benzoquinone. ChemPhysChem, 2022, 23, e202100885. | 2.1 | 3 |
| 2 | Free-Radical-Mediated Photoinduced Electron Transfer between 6-Thioguanine and Tryptophan Leading to DNA–Protein-Like Cross-Link. Journal of Physical Chemistry B, 2022, 126, 14-22. | 2.6 | 2 |
| 3 | The critical role of superoxide anion radicals on delaying tetrachlorohydroquinone autooxidation by penicillamine. Free Radical Biology and Medicine, 2021, 163, 369-378. | 2.9 | 4 |
| 4 | Mechanistic Study on Chemiluminescence of Chloranilic Acid by Co(II)-Mediated Fenton-like System. Journal of Organic Chemistry, 2021, 86, 4472-4482. | 3.2 | 0 |
| 5 | Structure–Activity Relationship Investigation on Reaction Mechanism between Chlorinated Quinoid Carcinogens and Clinically-Used Aldoxime Nerve-Agent Antidote under Physiological Condition. Chemical Research in Toxicology, 2021, 34, 1091-1100. | 3.3 | Ο |
| 6 | Ultrafast excited state dynamics and light-switching of [Ru(phen)2(dppz)]2+ in G-quadruplex DNA. Communications Chemistry, 2021, 4, . | 4.5 | 9 |
| 7 | Caffeic Acid Phenyl Ester (CAPE) Protects against Iron-Mediated Cellular DNA Damage through Its Strong Iron-Binding Ability and High Lipophilicity. Antioxidants, 2021, 10, 798. | 5.1 | 10 |
| 8 | Detecting and Quantifying Polyhaloaromatic Environmental Pollutants by Chemiluminescence-Based Analytical Method. Molecules, 2021, 26, 3365. | 3.8 | 4 |
| 9 | Mechanistic Study on Oxidative DNA Damage and Modifications by Haloquinoid Carcinogenic Intermediates and Disinfection Byproducts. Chemical Research in Toxicology, 2021, 34, 1701-1712. | 3.3 | 5 |
| 10 | The cell-impermeable Ru(II) polypyridyl complex as a potent intracellular photosensitizer under visible light irradiation via ion-pairing with suitable lipophilic counter-anions. Free Radical Biology and Medicine, 2021, 171, 69-79. | 2.9 | 9 |
| 11 | Potent oxidation of DNA by Ru(<scp>ii</scp>) tri(polypyridyl) complexes under visible light irradiation <i>via</i> a singlet oxygen-mediated mechanism. Inorganic Chemistry Frontiers, 2021, 8, 3421-3432. | 6.0 | 7 |
| 12 | The critical role of unique azido-substituted chloro-O-semiquinone radical intermediates in the synergistic toxicity between sodium azide and chlorocatecholic carcinogens. Free Radical Biology and Medicine, 2021, 177, 260-269. | 2.9 | 0 |
| 13 | An unexpected new pathway for nitroxide radical production via more reactve nitrogen-centered amidyl radical intermediate during detoxification of the carcinogenic halogenated quinones by N-alkyl hydroxamic acids. Free Radical Biology and Medicine, 2020, 146, 150-159. | 2.9 | 8 |
| 14 | Unexpected activation of N-alkyl hydroxamic acids to produce reactive N-centered free radicals and DNA damage by carcinogenic chlorinated quinones under normal physiological conditions. Free Radical Biology and Medicine, 2020, 146, 70-78. | 2.9 | 10 |
| 15 | Chiral Os(II) Polypyridyl Complexes as Enantioselective Nuclear DNA Imaging Agents Especially Suitable for Correlative High-Resolution Light and Electron Microscopy Studies. ACS Applied Materials & Interfaces, 2020, 12, 3465-3473. | 8.0 | 12 |
| 16 | An unexpected antioxidant and redox activity for the classic copper-chelating drug penicillamine. Free Radical Biology and Medicine, 2020, 147, 150-158. | 2.9 | 14 |
| 17 | First Direct and Unequivocal Electron Spin Resonance Spin-Trapping Evidence for pH-Dependent Production of Hydroxyl Radicals from Sulfate Radicals. Environmental Science & Technology, 2020, 54, 14046-14056. | 10.0 | 110 |
| 18 | Unexpected reversible and controllable nuclear uptake and efflux of the DNA "light-switching― Ru(ii)-polypyridyl complex in living cellsviaion-pairing with chlorophenolate counter-anions. Journal of Materials Chemistry B, 2020, 8, 10327-10336. | 5.8 | 5 |

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| 19 | Mechanism of synergistic DNA damage induced by caffeic acid phenethyl ester (CAPE) and Cu(II): Competitive binding between CAPE and DNA with Cu(II)/Cu(I). Free Radical Biology and Medicine, 2020, 159, 107-118. | 2.9 | 10 |
| 20 | Unusual Two-Step Claisen-type Rearrangement Reaction under Physiological Conditions. Journal of Organic Chemistry, 2020, 85, 14945-14953. | 3.2 | 4 |
| 21 | First unequivocal identification of the critical acyl radicals from the anti-tuberculosis drug isoniazid and its hydrazide analogs by complementary applications of ESR spin-trapping and HPLC/MS methods. Free Radical Biology and Medicine, 2020, 154, 1-8. | 2.9 | 11 |
| 22 | Molecular mechanisms and potential applications of the intrinsic chemiluminescence produced from the degradation of haloaromatic pollutants during environmentally-friendly advanced oxidation processes. Environmental Science: Water Research and Technology, 2020, 6, 2259-2274. | 2.4 | 3 |
| 23 | Diethyldithiocarbamate-copper nanocomplex reinforces disulfiram chemotherapeutic efficacy through light-triggered nuclear targeting. Theranostics, 2020, 10, 6384-6398. | 10.0 | 27 |
| 24 | Key factors in the ligand effects on the photo redox cycling of aqueous iron species. Geochimica Et Cosmochimica Acta, 2020, 281, 1-11. | 3.9 | 18 |
| 25 | Unprecedented strong intrinsic chemiluminescence generation from degradation of halogenated hydroxy-quinoid pollutants by Co(II)-mediated advanced oxidation processes: The critical role of site-specific production of hydroxyl radicals. Chemical Engineering Journal, 2020, 394, 125023. | 12.7 | 10 |
| 26 | Potent Oxidation of DNA by Haloquinoid Disinfection Byproducts to the More Mutagenic Imidazolone dIz via an Unprecedented Haloquinone-Enoxy Radical-Mediated Mechanism. Environmental Science & Technology, 2020, 54, 6244-6253. | 10.0 | 12 |
| 27 | Reactive Nitrogen Species Are Also Involved in the Transformation of Micropollutants by the UV/Monochloramine Process. Environmental Science & Technology, 2019, 53, 11142-11152. | 10.0 | 127 |
| 28 | Molecular mechanism for the activation of the anti-tuberculosis drug isoniazid by Mn(III): First detection and unequivocal identification of the critical N-centered isoniazidyl radical and its exact location. Free Radical Biology and Medicine, 2019, 143, 232-239. | 2.9 | 10 |
| 29 | What Are the Major Physicochemical Factors in Determining the Preferential Nuclear Uptake of the DNA "Light-Switching―Ru(II)-Polypyridyl Complex in Live Cells via Ion-Pairing with Chlorophenolate Counter-Anions?. Journal of Physical Chemistry Letters, 2019, 10, 4123-4128. | 4.6 | 10 |
| 30 | Targeted live-cell nuclear delivery of the DNA â€~light-switching' Ru(II) complex via ion-pairing with chlorophenolate counter-anions: the critical role of binding stability and lipophilicity of the ion-pairing complexes. Nucleic Acids Research, 2019, 47, 10520-10528. | 14.5 | 18 |
| 31 | Sulfur-centered hemi-bond radicals as active intermediates in S-DNA phosphorothioate oxidation. Nucleic Acids Research, 2019, 47, 11514-11526. | 14.5 | 12 |
| 32 | Enantioselective and Differential Fluorescence Lifetime Imaging of Nucleus and Nucleolus by the Two Enantiomers of Chiral Os(II) Polypyridyl Complex. Journal of Physical Chemistry Letters, 2019, 10, 5909-5916. | 4.6 | 8 |
| 33 | Mechanism of unprecedented hydroxyl radical production and site-specific oxidative DNA damage by photoactivation of the classic arylhydroxamic acid carcinogens. Carcinogenesis, 2019, , . | 2.8 | 6 |
| 34 | The Critical Role of X Chromosome-Linked Inhibitor of Apoptosis (XIAP) in Differential Synergism Induced by Pentachlorophenol and Copper-1,10-Phenanthroline Complex in Normal and Cancer Liver Cells. Toxicological Sciences, 2019, 168, 339-348. | 3.1 | 5 |
| 35 | An unusual double radical homolysis mechanism for the unexpected activation of the aldoxime nerve-agent antidotes by polyhalogenated quinoid carcinogens under normal physiological conditions. Free Radical Biology and Medicine, 2019, 130, 1-7. | 2.9 | 12 |
| 36 | Mechanism of the synergistic DNA damage and unusual hydroxyl radical production by the non-enzymatic activation of the anti-tuberculosis drug isoniazid by Mn(III). Free Radical Biology and Medicine, 2018, 120, S112-S113. | 2.9 | 0 |

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| 37 | A new detoxification mechanism for aldoxime therapeutic antidotes for chemical warfare nerve-agents. Scientia Sinica Chimica, 2018, 48, 1247-1259. | 0.4 | 0 |
| 38 | Mechanism of synergistic DNA damage induced by the hydroquinone metabolite of brominated phenolic environmental pollutants and Cu(II): Formation of DNA-Cu complex and site-specific production of hydroxyl radicals. Free Radical Biology and Medicine, 2017, 104, 54-63. | 2.9 | 40 |
| 39 | Mechanism of Intrinsic Chemiluminescence Production from the Degradation of Persistent Chlorinated Phenols by the Fenton System: A Structure–Activity Relationship Study and the Critical Role of Quinoid and Semiquinone Radical Intermediates. Environmental Science & Technology, 2017. 51. 2934-2943. | 10.0 | 27 |
| 40 | Unusual Double Beckmann Fragmentation Reaction under Physiological Conditions. Journal of Organic Chemistry, 2017, 82, 13084-13092. | 3.2 | 9 |
| 41 | Site-specific Production of Hydroxyl Radicals and Synergistic DNA Damage Induced by the Non-enzymatic Activation of the Anti-tuberculosis Drug Isoniazid by Cu(II). Free Radical Biology and Medicine, 2017, 112, 68. | 2.9 | 0 |
| 42 | Different modes of synergistic toxicities between metam/copper (II) and metam/zinc (II) in HepG2 cells: apoptosis vs. necrosis. Environmental Toxicology, 2016, 31, 1964-1973. | 4.0 | 16 |
| 43 | An Exceptionally Facile Two-Step Structural Isomerization and Detoxication via a Water-Assisted Double Lossen Rearrangement. Scientific Reports, 2016, 6, 39207. | 3.3 | 11 |
| 44 | Delivering the cell-impermeable DNA â€~light-switching' Ru(<scp>ii</scp>) complexes preferentially into live-cell nucleus via an unprecedented ion-pairing method. Chemical Science, 2016, 7, 4016-4023. | 7.4 | 50 |
| 45 | The Unexpected and Exceptionally Facile Chemical Modification of the Phenolic Hydroxyl Group of Tyrosine by Polyhalogenated Quinones under Physiological Conditions. Chemical Research in Toxicology, 2016, 29, 1699-1705. | 3.3 | 8 |
| 46 | Why Does 2,3,5,6-Tetrachlorophenol Generate the Strongest Intrinsic Chemiluminescence among All Nineteen Chlorophenolic Persistent Organic Pollutants during Environmentally-friendly Advanced Oxidation Process?. Scientific Reports, 2016, 6, 33159. | 3.3 | 15 |
| 47 | Intrinsic Chemiluminescence Generation during Advanced Oxidation of Persistent Halogenated Aromatic Carcinogens. Environmental Science & Technology, 2015, 49, 7940-7947. | 10.0 | 29 |
| 48 | Molecular Mechanism of Metal-Independent Decomposition of Organic Hydroperoxides by Halogenated Quinoid Carcinogens and the Potential Biological Implications. Chemical Research in Toxicology, 2015, 28, 831-837. | 3.3 | 44 |
| 49 | Chemical Toxicology in China: A Special Issue. Chemical Research in Toxicology, 2015, 28, 279-280. | 3.3 | 0 |
| 50 | A Combined Experimental and Computational Investigation on the Unusual Molecular Mechanism of the Lossen Rearrangement Reaction Activated by Carcinogenic Halogenated Quinones. Journal of Organic Chemistry, 2015, 80, 180-189. | 3.2 | 24 |
| 51 | Detoxifying Polyhalogenated Catechols through a Copperâ€Chelating Agent by Forming Stable and Redoxâ€Inactive Hydrogenâ€Bonded Complexes with an Unusual Perpendicular Structure. Chemistry - A European Journal, 2014, 20, 13028-13033. | 3.3 | 5 |
| 52 | Redox-active quinones induces genome-wide DNA methylation changes by an iron-mediated and Tet-dependent mechanism. Nucleic Acids Research, 2014, 42, 1593-1605. | 14.5 | 106 |
| 53 | The Pentachlorophenol Metabolite Tetrachlorohydroquinone Induces Massive ROS and Prolonged p-ERK Expression in Splenocytes, Leading to Inhibition of Apoptosis and Necrotic Cell Death. PLoS ONE, 2014, 9, e89483. | 2.5 | 15 |
| 54 | Molecular mechanism of metal-independent decomposition of lipid hydroperoxide 13-HPODE by halogenated quinoid carcinogens. Free Radical Biology and Medicine, 2013, 63, 459-466. | 2.9 | 20 |

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| 55 | The first purification and unequivocal characterization of the radical form of the carbon-centered quinone ketoxy radical adduct. Chemical Communications, 2013, 49, 6436. | 4.1 | 29 |
| 56 | Bisphenol A at a low concentration boosts mouse spermatogonial cell proliferation by inducing the G protein-coupled receptor 30 expression. Toxicology and Applied Pharmacology, 2013, 267, 88-94. | 2.8 | 45 |
| 57 | Lethal synergism between organic and inorganic wood preservatives via formation of an unusual lipophilic ternary complex. Toxicology and Applied Pharmacology, 2013, 266, 335-344. | 2.8 | 25 |
| 58 | Ofloxacin induces apoptosis via \hat{l}^21 integrin-EGFR-Rac1-Nox2 pathway in microencapsulated chondrocytes. Toxicology and Applied Pharmacology, 2013, 267, 74-87. | 2.8 | 20 |
| 59 | Potent methyl oxidation of 5-methyl-2′-deoxycytidine by halogenated quinoid carcinogens and hydrogen peroxide via a metal-independent mechanism. Free Radical Biology and Medicine, 2013, 60, 177-182. | 2.9 | 40 |
| 60 | Potent DNA damage by polyhalogenated quinones and H2O2 via a metal-independent and Intercalation-enhanced oxidation mechanism. Scientific Reports, 2013, 3, 1269. | 3.3 | 47 |
| 61 | Unprecedented hydroxyl radical-dependent two-step chemiluminescence production by polyhalogenated quinoid carcinogens and H ₂ O ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16046-16051. | 7.1 | 89 |
| 62 | Characterization of TCHQ-induced genotoxicity and mutagenesis using the pSP189 shuttle vector in mammalian cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 729, 16-23. | 1.0 | 7 |
| 63 | Low concentrations of bisphenol a suppress thyroid hormone receptor transcription through a nongenomic mechanism. Toxicology and Applied Pharmacology, 2012, 259, 133-142. | 2.8 | 79 |
| 64 | Ergothioneine Prevents Copper-Induced Oxidative Damage to DNA and Protein by Forming a Redox-Inactive Ergothioneineâ^'Copper Complex. Chemical Research in Toxicology, 2011, 24, 30-34. | 3.3 | 92 |
| 65 | An electrochemical biosensor for the detection of tyrosine oxidation induced by Fenton reaction. Biosensors and Bioelectronics, 2011, 26, 2292-2296. | 10.1 | 43 |
| 66 | Metal-Independent Pathways of Chlorinated Phenol/Quinone Toxicity. Advances in Molecular Toxicology, 2011, 5, 1-43. | 0.4 | 11 |
| 67 | A Novel Mechanism for Metal-independent Hydroxyl Radical Production by Hydrogen Peroxide and Halogenated Quinones. Mini-Reviews in Organic Chemistry, 2011, 8, 434-437. | 1.3 | 10 |
| 68 | Low Concentrations of Bisphenol A Induce Mouse Spermatogonial Cell Proliferation by G Protein–Coupled Receptor 30 and Estrogen Receptor-α. Environmental Health Perspectives, 2011, 119, 1775-1780. | 6.0 | 103 |
| 69 | Detection and mechanistic investigation of halogenated benzoquinone induced DNA damage by photoelectrochemical DNA sensor. Analytical and Bioanalytical Chemistry, 2010, 397, 2395-2400. | 3.7 | 37 |
| 70 | Detoxifying carcinogenic polyhalogenated quinones by hydroxamic acids via an unusual double Lossen rearrangement mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20686-20690. | 7.1 | 47 |
| 71 | Metal-independent decomposition of hydroperoxides by halogenated quinones: Detection and identification of a quinone ketoxy radical. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11466-11471. | 7.1 | 80 |
| 72 | Potential Mechanism for Pentachlorophenol-Induced Carcinogenicity: A Novel Mechanism for Metal-Independent Production of Hydroxyl Radicals. Chemical Research in Toxicology, 2009, 22, 969-977. | 3.3 | 96 |

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| 73 | Molecular mechanism for metal-independent production of hydroxyl radicals by hydrogen peroxide and halogenated quinones. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17575-17578. | 7.1 | 145 |
| 74 | Mechanism of metal-independent decomposition of organic hydroperoxides and formation of alkoxyl radicals by halogenated quinones. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3698-3702. | 7.1 | 71 |
| 75 | SYNERGISM BETWEEN THE TOXICITY OF CHLOROPHENOLS AND IRON COMPLEXES. Environmental Toxicology and Chemistry, 2007, 26, 218. | 4.3 | 16 |
| 76 | Protection by tropolones against H2O2-induced DNA damage and apoptosis in cultured Jurkat cells. Free Radical Research, 2005, 39, 125-135. | 3.3 | 36 |
| 77 | Dihydrolipoic acid lowers the redox activity of transition metal ions but does not remove them from the active site of enzymes. Redox Report, 2004, 9, 57-61. | 4.5 | 54 |
| 78 | Bcl-2 overexpression inhibits tetrachlorohydroquinone-induced apoptosis in NIH3T3 cells: A possible mechanism for tumor promotion. Molecular Carcinogenesis, 2004, 40, 24-33. | 2.7 | 13 |
| 79 | Ascorbate does not act as a pro-oxidant towards lipids and proteins in human plasma exposed to redox-active transition metal ions and hydrogen peroxide. Free Radical Biology and Medicine, 2003, 34, 1306-1314. | 2.9 | 65 |
| 80 | Pyrrolidine dithiocarbamate is a potent antioxidant against hypochlorous acidâ€induced protein damage. FEBS Letters, 2002, 532, 80-84. | 2.8 | 35 |
| 81 | On the role of iron and copper ions in hydrogen peroxide-induced cellular DNA damage. Free Radical Biology and Medicine, 2002, 32, 198-199. | 2.9 | 11 |
| 82 | Metal-independent production of hydroxyl radicals by halogenated quinones and hydrogen peroxide: an ESR spin trapping study. Free Radical Biology and Medicine, 2002, 32, 465-473. | 2.9 | 143 |
| 83 | Thiourea protects against copper-induced oxidative damage by formation of a redox-inactive thiourea-copper complex. Free Radical Biology and Medicine, 2002, 32, 1333-1338. | 2.9 | 47 |
| 84 | The Lethal Interaction and Formation of a Lipophilic Ternary Complex between 2,4,5-Trichlorophenol and the Cu(II)â^Bis(1,10-phenanthroline) Complex. Chemical Research in Toxicology, 2001, 14, 222-227. | 3.3 | 8 |
| 85 | Inhibition of Low-Density Lipoprotein Oxidation by Carnosine and Histidine. Journal of Agricultural and Food Chemistry, 2001, 49, 511-516. | 5.2 | 94 |
| 86 | Synergistic cytotoxicity between pentachlorophenol and copper in a bacterial model. Chemosphere, 2001, 45, 463-470. | 8.2 | 18 |
| 87 | Protection by desferrioxamine and other hydroxamic acids against tetrachlorohydroquinone-induced cyto- and genotoxicity in human fibroblasts. Free Radical Biology and Medicine, 2000, 28, 693-700. | 2.9 | 35 |
| 88 | Mechanism of the synergistic cytotoxicity between pentachlorophenol and copper-1,10-phenanthroline complex: the formation of a lipophilic ternary complex. Chemico-Biological Interactions, 2000, 129, 249-261. | 4.0 | 25 |
| 89 | Copper-Mediated Toxicity of 2,4,5-Trichlorophenol: Biphasic Effect of the Copper(I)-Specific Chelator Neocuproine. Archives of Biochemistry and Biophysics, 2000, 380, 267-273. | 3.0 | 29 |
| 90 | Evidence for Production of Hydroxyl Radicals by Pentachlorophenol Metabolites and Hydrogen Peroxide: A Metal-Independent Organic Fenton Reaction. Biochemical and Biophysical Research Communications, 2000, 270, 942-946. | 2.1 | 86 |

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| 91 | Potential Antiatherogenic Mechanisms of Ascorbate (Vitamin C) and α-Tocopherol (Vitamin E). Circulation Research, 2000, 87, 349-354. | 4.5 | 275 |
| 92 | New Modes of Action of Desferrioxamine. Free Radical Biology and Medicine, 1998, 24, 360-369. | 2.9 | 53 |