Jun-Jie Yin

List of Publications by Year
in descending order

167	15,534	15504 65	17592 121
papers	citations	h-index	g-index

167	167	167	19044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual Enzyme-like Activities of Iron Oxide Nanoparticles and Their Implication for Diminishing Cytotoxicity. ACS Nano, 2012, 6, 4001-4012.	14.6	717
2	Photogenerated Charge Carriers and Reactive Oxygen Species in ZnO/Au Hybrid Nanostructures with Enhanced Photocatalytic and Antibacterial Activity. Journal of the American Chemical Society, 2014, 136, 750-757.	13.7	716
3	Prussian Blue Nanoparticles as Multienzyme Mimetics and Reactive Oxygen Species Scavengers. Journal of the American Chemical Society, 2016, 138, 5860-5865.	13.7	611
4	Surface Structure-Dependent Molecular Oxygen Activation of BiOCl Single-Crystalline Nanosheets. Journal of the American Chemical Society, 2013, 135, 15750-15753.	13.7	560
5	Au@Pt nanostructures as oxidase and peroxidase mimetics for use in immunoassays. Biomaterials, 2011, 32, 1139-1147.	11.4	531
6	Direct evidence for catalase and peroxidase activities of ferritinâ€“platinum nanoparticles. Biomaterials, 2011, 32, 1611-1618.	11.4	397
7	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. Biomaterials, 2009, 30, 611-621.	11.4	388
8	Co₃O₄ Nanoparticles with Multi-Enzyme Activities and Their Application in Immunohistochemical Assay. ACS Applied Materials & Interfaces, 2014, 6, 1959-1970.	8.0	357
9	Mechanisms of the pH dependent generation of hydroxyl radicals and oxygen induced by Ag nanoparticles. Biomaterials, 2012, 33, 7547-7555.	11.4	320
10	Intrinsic catalytic activity of Au nanoparticles with respect to hydrogen peroxide decomposition and superoxide scavenging. Biomaterials, 2013, 34, 765-773.	11.4	319
11	Hydrophobic Barriers of Lipid Bilayer Membranes Formed by Reduction of Water Penetration by Alkyl Chain Unsaturation and Cholesterol. Biochemistry, 1994, 33, 7670-7681.	2.5	312
12	Oxidative Damage to Nucleic Acids Photosensitized by Titanium Dioxide. Free Radical Biology and Medicine, 1997, 23, 851-858.	2.9	285
13	Coreâ€“Shell Structure Dependent Reactivity of Fe@Fe₂O₃ Nanowires on Aerobic Degradation of 4-Chlorophenol. Environmental Science & Technology, 2013, 47, 5344-5352.	10.0	272
14	Facet Energy versus Enzyme-like Activities: The Unexpected Protection of Palladium Nanocrystals against Oxidative Damage. ACS Nano, 2016, 10, 10436-10445.	14.6	247
15	Metallofullerene nanoparticles circumvent tumor resistance to cisplatin by reactivating endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7449-7454.	7.1	233
16	Self-doping and surface plasmon modification induced visible light photocatalysis of BiOCl. Nanoscale, 2013, 5, 10573.	5.6	233
17	Total phenolic contents, chelating capacities, and radical-scavenging properties of black peppercorn, nutmeg, rosehip, cinnamon and oregano leaf. Food Chemistry, 2007, 100, 990-997.	8.2	221
18	Unraveling Stressâ€Induced Toxicity Properties of Graphene Oxide and the Underlying Mechanism. Advanced Materials, 2012, 24, 5391-5397.	21.0	213

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19	Phototoxicity of nano titanium dioxides in HaCaT keratinocytesâ€"Generation of reactive oxygen species and cell damage. Toxicology and Applied Pharmacology, 2012, 263, 81-88.	2.8	205
20	Synthesis of Pt Hollow Nanodendrites with Enhanced Peroxidaseâ€Like Activity against Bacterial Infections: Implication for Wound Healing. Advanced Functional Materials, 2018, 28, 1801484.	14.9	205
21	Reactive oxygen species-related activities ofÂnano-iron metal and nano-iron oxides. Journal of Food and Drug Analysis, 2014, 22, 86-94.	1.9	198
22	Crossover between Anti- and Pro-oxidant Activities of Graphene Quantum Dots in the Absence or Presence of Light. ACS Nano, 2016, 10, 8690-8699.	14.6	188
23	Using Hollow Carbon Nanospheres as a Light-Induced Free Radical Generator To Overcome Chemotherapy Resistance. Journal of the American Chemical Society, 2015, 137, 1947-1955.	13.7	182
24	Acquired Superoxideâ€Scavenging Ability of Ceria Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 1832-1835.	13.8	179
25	Au@Pt core/shell nanorods with peroxidase- and ascorbate oxidase-like activities for improved detection of glucose. Sensors and Actuators B: Chemical, 2012, 166-167, 708-714.	7.8	171
26	pH dependent catalytic activities of platinum nanoparticles with respect to the decomposition of hydrogen peroxide and scavenging of superoxide and singlet oxygen. Nanoscale, 2014, 6, 11904-11910.	5.6	171
27	Bactericidal Effects of Silver Nanoparticles on Lactobacilli and the Underlying Mechanism. ACS Applied Materials & Interfaces, 2018, 10, 8443-8450.	8.0	165
28	Electron spin resonance spectroscopy for the study of nanomaterial-mediated generation of reactive oxygen species. Journal of Food and Drug Analysis, 2014, 22, 49-63.	1.9	163
29	Enhanced photodynamic efficacy towards melanoma cells by encapsulation of Pc4 in silica nanoparticles. Toxicology and Applied Pharmacology, 2009, 241, 163-172.	2.8	161
30	Antioxidant effects of ginsenoside Re in cardiomyocytes. European Journal of Pharmacology, 2006, 532, 201-207.	3.5	155
31	Enzyme-Like Activity of Nanomaterials. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2014, 32, 186-211.	2.9	139
32	Differential genotoxicity mechanisms of silver nanoparticles and silver ions. Archives of Toxicology, 2017, 91, 509-519.	4.2	139
33	Novel Fluorometric Assay for Hydroxyl Radical Scavenging Capacity (HOSC) Estimation. Journal of Agricultural and Food Chemistry, 2006, 54, 617-626.	5.2	137
34	Formation of PdPt Alloy Nanodots on Gold Nanorods: Tuning Oxidase-like Activities via Composition. Langmuir, 2011, 27, 2796-2803.	3.5	131
35	Physicochemical Origin for Free Radical Generation of Iron Oxide Nanoparticles in Biomicroenvironment: Catalytic Activities Mediated by Surface Chemical States. Journal of Physical Chemistry C, 2013, 117, 383-392.	3.1	131
36	Light-Enhanced Antibacterial Activity of Graphene Oxide, Mainly via Accelerated Electron Transfer. Environmental Science & Technology, 2017, 51, 10154-10161.	10.0	131

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37	Production of Reactive Oxygen Species and Electrons from Photoexcited ZnO and ZnS Nanoparticles: A Comparative Study for Unraveling their Distinct Photocatalytic Activities. Journal of Physical Chemistry C, 2016, 120, 3187-3195.	3.1	127
38	Fatty acid profile, thymoquinone content, oxidative stability, and antioxidant properties of cold-pressed black cumin seed oils. LWT - Food Science and Technology, 2010, 43, 1409-1413.	5.2	121
39	Inhibition of Tumor Growth by Endohedral Metallofullerenol Nanoparticles Optimized as Reactive Oxygen Species Scavenger. Molecular Pharmacology, 2008, 74, 1132-1140.	2.3	117
40	The contributions of metal impurities and tube structure to the toxicity of carbon nanotube materials. NPG Asia Materials, 2012, 4, e32-e32.	7.9	112
41	Isolation of antioxidants from Psoralea corylifolia fruits using high-speed counter-current chromatography guided by thin layer chromatography-antioxidant autographic assay. Journal of Chromatography A, 2010, 1217, 5470-5476.	3.7	109
42	Phenolic Acid, Tocopherol and Carotenoid Compositions, and Antioxidant Functions of Hard Red Winter Wheat Bran. Journal of Agricultural and Food Chemistry, 2005, 53, 3916-3922.	5.2	106
43	Generation of Reactive Oxygen Species, Electrons/Holes, and Photocatalytic Degradation of Rhodamine B by Photoexcited CdS and Ag₂S Micro-Nano Structures. Journal of Physical Chemistry C, 2014, 118, 21447-21456.	3.1	106
44	Intravenous administration of silver nanoparticles causes organ toxicity through intracellular ROS-related loss of inter-endothelial junction. Particle and Fibre Toxicology, 2015, 13, 21.	6.2	102
45	Mimicking horseradish peroxidase and oxidase using ruthenium nanomaterials. RSC Advances, 2017, 7, 52210-52217.	3.6	102
46	SIRT1 Contributes in Part to Cisplatin Resistance in Cancer Cells by Altering Mitochondrial Metabolism. Molecular Cancer Research, 2008, 6, 1499-1506.	3.4	101
47	Deciphering the underlying mechanisms of oxidation-state dependent cytotoxicity of graphene oxide on mammalian cells. Toxicology Letters, 2015, 237, 61-71.	0.8	100
48	Pulse EPR Detection of Lipid Exchange between Protein-Rich Raft and Bulk Domains in the Membrane: Methodology Development and Its Application to Studies of Influenza Viral Membrane. Biophysical Journal, 2001, 80, 738-748.	0.5	99
49	Enhancing Antioxidant, Antiproliferation, and Free Radical Scavenging Activities in Strawberries with Essential Oils. Journal of Agricultural and Food Chemistry, 2007, 55, 6527-6532.	5.2	99
50	Unraveling the Enhanced Photocatalytic Activity and Phototoxicity of ZnO/Metal Hybrid Nanostructures from Generation of Reactive Oxygen Species and Charge Carriers. ACS Applied Materials & Interfaces, 2014, 6, 15527-15535.	8.0	99
51	Platinum Nanoparticles: Efficient and Stable Catechol Oxidase Mimetics. ACS Applied Materials & Interfaces, 2015, 7, 19709-19717.	8.0	98
52	Photogenerated Charge Carriers in Molybdenum Disulfide Quantum Dots with Enhanced Antibacterial Activity. ACS Applied Materials & Interfaces, 2019, 11, 4858-4866.	8.0	97
53	Effects of Postharvest Treatment and Heat Stress on Availability of Wheat Antioxidants. Journal of Agricultural and Food Chemistry, 2006, 54, 5623-5629.	5.2	94
54	Comparative effects of flavonoids on oxidant scavenging and ischemia-reperfusion injury in cardiomyocytes. European Journal of Pharmacology, 2007, 566, 58-66.	3.5	90

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55	Molecular Organization and Dynamics in Bacteriorhodopsin-Rich Reconstituted Membranes: Discrimination of Lipid Environments by the Oxygen Transport Parameter Using a Pulse ESR Spin-Labeling Technique. Biochemistry, 1994, 33, 4947-4952.	2.5	89
56	Single-Walled Carbon Nanotubes Alter Cytochrome c Electron Transfer and Modulate Mitochondrial Function. ACS Nano, 2012, 6, 10486-10496.	14.6	88
57	Predicting and identifying reactive oxygen species and electrons for photocatalytic metal sulfide microâ€“nano structures. Journal of Catalysis, 2014, 320, 97-105.	6.2	81
58	Mechanistic characterization of titanium dioxide nanoparticle-induced toxicity using electron spin resonance. Journal of Food and Drug Analysis, 2014, 22, 76-85.	1.9	78
59	Oral administration of Crataegus flavonoids protects against ischemia/reperfusion brain damage in gerbils. Journal of Neurochemistry, 2004, 90, 211-219.	3.9	76
60	ESR determination of the reactions between selected phenolic acids and free radicals or transition metals. Food Chemistry, 2006, 95, 446-457.	8.2	75
61	Au@PtAg core/shell nanorods: tailoring enzyme-like activities via alloying. RSC Advances, 2013, 3, 6095.	3.6	72
62	Enzyme-mimetic effects of gold@platinum nanorods on the antioxidant activity of ascorbic acid. Nanoscale, 2013, 5, 1583.	5.6	72
63	Effects of lutein and cholesterol on alkyl chain bending in lipid bilayers: a pulse electron spin resonance spin labeling study. Biophysical Journal, 1996, 71, 832-839.	0.5	71
64	Context-Dependent Redox Properties of Natural Phenolic Materials. Biomacromolecules, 2014, 15, 1653-1662.	5.4	71
65	UVA photoirradiation of retinyl palmitateâ€"Formation of singlet oxygen and superoxide, and their role in induction of lipid peroxidation. Toxicology Letters, 2006, 163, 30-43.	0.8	69
66	Effect of allyl isothiocyanate on antioxidants and fruit decay of blueberries. Food Chemistry, 2010, 120, 199-204.	8.2	67
67	Lateral diffusion of lipids in membranes by pulse saturation recovery electron spin resonance.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 964-968.	7.1	66
68	Composition Directed Generation of Reactive Oxygen Species in Irradiated Mixed Metal Sulfides Correlated with Their Photocatalytic Activities. ACS Applied Materials & Interfaces, 2015, 7, 16440-16449.	8.0	65
69	Spectroelectrochemical Reverse Engineering DemonstratesThat Melaninâ€™s Redox and Radical Scavenging Activities Are Linked. Biomacromolecules, 2017, 18, 4084-4098.	5.4	63
70	Optimization of Antibacterial Efficacy of Noble-Metal-Based Coreâ€“Shell Nanostructures and Effect of Natural Organic Matter. ACS Nano, 2019, 13, 12694-12702.	14.6	61
71	Effects of fumonisin B1 on lipid peroxidation in membranes. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1371, 134-142.	2.6	60
72	Difference in Phototoxicity of Cyclodextrin Complexed Fullerene [(Î³-CyD)₂/C₆₀] and Its Aggregated Derivatives toward Human Lens Epithelial Cells. Chemical Research in Toxicology, 2009, 22, 660-667.	3.3	60

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73	Photodecomposition and Phototoxicity of Natural Retinoids. International Journal of Environmental Research and Public Health, 2005, 2, 147-155.	2.6	58
74	Sodium tanshinone IIA sulfonate mediates electron transfer reaction in rat heart mitochondria. Biochemical Pharmacology, 2003, 65, 51-57.	4.4	56
75	Dual Role of Selected Antioxidants Found in Dietary Supplements: Crossover between Anti- and Pro-Oxidant Activities in the Presence of Copper. Journal of Agricultural and Food Chemistry, 2012, 60, 2554-2561.	5.2	56
76	Phototoxicity of Zinc Oxide Nanoparticles in HaCaT Keratinocytes-Generation of Oxidative DNA Damage During UVA and Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2013, 13, 3880-3888.	0.9	56
77	Nanoscale ZnO Induces Cytotoxicity and DNA Damage in Human Cell Lines and Rat Primary Neuronal Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 2126-2135.	0.9	55
78	P-glycoprotein, expressed in multidrug resistant cells, is not responsible for alterations in membrane fluidity or membrane potential. Cancer Research, 2003, 63, 3084-91.	0.9	55
79	American ginseng berry extract and ginsenoside Re attenuate cisplatin-induced kaolin intake in rats. Cancer Chemotherapy and Pharmacology, 2005, 56, 63-69.	2.3	53
80	The effects of ginsenoside Rb1 on JNK in oxidative injury in cardiomyocytes. Archives of Pharmacal Research, 2012, 35, 1259-1267.	6.3	52
81	Electronic modulation of biochemical signal generation. Nature Nanotechnology, 2014, 9, 605-610.	31.5	52
82	Photo-irradiation of Aloe vera by UVAâ€"Formation of free radicals, singlet oxygen, superoxide, and induction of lipid peroxidationâ¨†. Toxicology Letters, 2007, 168, 165-175.	0.8	51
83	Exploring environment-dependent effects of Pd nanostructures on reactive oxygen species (ROS) using electron spin resonance (ESR) technique: implications for biomedical applications. Physical Chemistry Chemical Physics, 2015, 17, 24937-24943.	2.8	51
84	Photodecomposition of Vitamin A and Photobiological Implications for the Skinâ€. Photochemistry and Photobiology, 2007, 83, 409-424.	2.5	50
85	Spin-Label EPR T1Values Using Saturation Recovery from 2 to 35 GHzâ€. Journal of Physical Chemistry B, 2004, 108, 9524-9529.	2.6	48
86	Orally administered gold nanoparticles protect against colitis by attenuating Toll-like receptor 4- and reactive oxygen/nitrogen species-mediated inflammatory responses but could induce gut dysbiosis in mice. Journal of Nanobiotechnology, 2018, 16, 86.	9.1	48
87	Harnessing the collective properties of nanoparticle ensembles for cancer theranostics. Nano Research, 2014, 7, 1719-1730.	10.4	47
88	Formation of PtCuCo Trimetallic Nanostructures with Enhanced Catalytic and Enzyme-like Activities for Biodetection. ACS Applied Nano Materials, 2018, 1, 222-231.	5.0	46
89	Growth Inhibition of Prostate Cancer Cells by Epigallocatechin Gallate in the Presence of Cu2+. Journal of Agricultural and Food Chemistry, 2004, 52, 462-466.	5.2	44
90	Selfâ€Assembly of Amphiphilic Block Copolymerâ€Tethered Nanoparticles: a New Approach to Nanoscale Design of Functional Materials. Macromolecular Rapid Communications, 2015, 36, 711-725.	3.9	44

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91	Regulating the pro- and anti-oxidant capabilities of bimetallic nanozymes for the detection of Fe²⁺ and protection of Monascus pigments. Nanoscale, 2020, 12, 3068-3075.	5.6	44
92	Grape Seed Proanthocyanidins Ameliorate Doxorubicin-Induced Cardiotoxicity. The American Journal of Chinese Medicine, 2010, 38, 569-584.	3.8	43
93	Electron Spin Resonance Estimation of Hydroxyl Radical Scavenging Capacity for Lipophilic Antioxidants. Journal of Agricultural and Food Chemistry, 2007, 55, 3325-3333.	5.2	41
94	Crossover between anti- and pro-oxidant activities of different manganese oxide nanoparticles and their biological implications. Journal of Materials Chemistry B, 2020, 8, 1191-1201.	5.8	41
95	Synergistic Effect of Scutellaria baicalensis and Grape Seed Proanthocyanidins on Scavenging Reactive Oxygen Species in Vitro. The American Journal of Chinese Medicine, 2004, 32, 89-95.	3.8	39
96	Probing hydroxyl radical generation from H2O2 upon plasmon excitation of gold nanorods using electron spin resonance: Molecular oxygen-mediated activation. Nano Research, 2016, 9, 1663-1673.	10.4	38
97	Photoirradiation of dehydropyrrolizidine alkaloidsâ€"Formation of reactive oxygen species and induction of lipid peroxidation. Toxicology Letters, 2011, 205, 302-309.	0.8	37
98	Generation of reactive oxygen species and charge carriers in plasmonic photocatalytic Au@TiO₂ nanostructures with enhanced activity. Physical Chemistry Chemical Physics, 2018, 20, 16117-16125.	2.8	35
99	Mapping of collision frequencies for stearic acid spin labels by saturation-recovery electron paramagnetic resonance. Biophysical Journal, 1990, 58, 713-720.	0.5	34
100	Radical Scavenging Activities of Biomimetic Catechol-Chitosan Films. Biomacromolecules, 2018, 19, 3502-3514.	5.4	34
101	Platinum nanoparticles inhibit antioxidant effects of vitamin C via ascorbate oxidase-mimetic activity. Journal of Materials Chemistry B, 2016, 4, 7895-7901.	5.8	33
102	Bactericidal effects and accelerated wound healing using Tb4O7 nanoparticles with intrinsic oxidase-like activity. Journal of Nanobiotechnology, 2019, 17, 54.	9.1	33
103	Advances in spin label oximetry. Pure and Applied Chemistry, 1990, 62, 255-260.	1.9	32
104	Interference of Steroidogenesis by Gold Nanorod Core/Silver Shell Nanostructures: Implications for Reproductive Toxicity of Silver Nanomaterials. Small, 2017, 13, 1602855.	10.0	32
105	Effects of Antioxidant Herbs on Chemotherapy-Induced Nausea and Vomiting in a Rat-Pica Model. The American Journal of Chinese Medicine, 2004, 32, 897-905.	3.8	30
106	In situ fabrication of Cu₂ZnSnS₄ nanoflake thin films on both rigid and flexible substrates. CrystEngComm, 2014, 16, 6244-6249.	2.6	30
107	Solution of the nitroxide spin-label spectral overlap problem using pulse electron spin resonance. Biophysical Journal, 1988, 53, 525-531.	0.5	28
108	FD&C Yellow No. 5 (Tartrazine) Degradation via Reactive Oxygen Species Triggered by TiO₂and Au/TiO₂Nanoparticles Exposed to Simulated Sunlight. Journal of Agricultural and Food Chemistry, 2014, 62, 12052-12060.	5.2	28

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109	Determination of reactive oxygen species from ZnO micro-nano structures with shape-dependent photocatalytic activity. Materials Research Bulletin, 2014, 53, 246-250.	5.2	28
110	Ferroxidase-like activity of Au nanorod/Pt nanodot structures and implications for cellular oxidative stress. Nano Research, 2015, 8, 4024-4037.	10.4	28
111	Spin-Label Saturation-Recovery Electron Spin Resonance Measurements of Oxygen Transport in Membranes*. Zeitschrift Fur Physikalische Chemie, 1987, 153, 57-65.	2.8	27
112	Effects of interactions of EGCG and Cd2+ on the growth of PC-3 cells and their mechanisms. Food and Chemical Toxicology, 2007, 45, 244-249.	3.6	27
113	Photoirradiation of azulene and guaiazuleneâ€"Formation of reactive oxygen species and induction of lipid peroxidation. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 211, 123-128.	3.9	27
114	Interactions of nitrogen-14:nitrogen-15 stearic acid spin-label pairs: effects of host lipid alkyl chain length and unsaturation. Biochemistry, 1987, 26, 3850-3855.	2.5	26
115	UVA photoirradiation of benzo[a]pyrene metabolites: induction of cytotoxicity, reactive oxygen species, and lipid peroxidation. Toxicology and Industrial Health, 2015, 31, 898-910.	1.4	26
116	Influence of gastrointestinal environment on free radical generation of silver nanoparticles and implications for their cytotoxicity. NanoImpact, 2018, 10, 144-152.	4.5	26
117	Light-Induced Assembly of Metal Nanoparticles on ZnO Enhances the Generation of Charge Carriers, Reactive Oxygen Species, and Antibacterial Activity. Journal of Physical Chemistry C, 2018, 122, 29414-29425.	3.1	26
118	Changes in biophysical parameters of plasma membranes influence cisplatin resistance of sensitive and resistant epidermal carcinoma cells. Experimental Cell Research, 2004, 293, 283-291.	2.6	25
119	Photoirradiation of Retinyl Palmitate in Ethanol with Ultraviolet Light - Formation of Photodecomposition Products, Reactive Oxygen Species, and Lipid Peroxides. International Journal of Environmental Research and Public Health, 2006, 3, 185-190.	2.6	25
120	Effect of Silver Nanomaterials on the Activity of Thiol-Containing Antioxidants. Journal of Agricultural and Food Chemistry, 2013, 61, 7855-7862.	5.2	25
121	Size-dependent tuning of horseradish peroxidase bioreactivity by gold nanoparticles. Nanoscale, 2015, 7, 4505-4513.	5.6	25
122	Phototoxicity of Kava â€" Formation of Reactive Oxygen Species Leading to Lipid Peroxidation and DNA Damage. The American Journal of Chinese Medicine, 2012, 40, 1271-1288.	3.8	24
123	Sparks fly between ascorbic acid and iron-based nanozymes: A study on Prussian blue nanoparticles. Colloids and Surfaces B: Biointerfaces, 2018, 163, 379-384.	5.0	23
124	Application of ESR spin label oximetry in food science. Magnetic Resonance in Chemistry, 2011, 49, S105-12.	1.9	22
125	Use of high observing power in electron spin resonance saturationâ€recovery experiments in spinâ€labeled membranes. Journal of Chemical Physics, 1989, 91, 6029-6035.	3.0	21
126	The effects of cholesterol on lateral diffusion and vertical fluctuations in lipid bilayers. An electron-electron double resonance (ELDOR) study. Biophysical Journal, 1987, 52, 1031-1038.	0.5	20

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127	Effects of Fumonisin B1and (Hydrolyzed) Fumonisin Backbone AP1on Membranes: A Spin-Label Study. Archives of Biochemistry and Biophysics, 1996, 335, 13-22.	3.0	20
128	A convenient detection system consisting of efficient Au@PtRu nanozymes and alcohol oxidase for highly sensitive alcohol biosensing. Nanoscale Advances, 2020, 2, 1583-1589.	4.6	20
129	Effect of combination of suboptimal concentrations of P-glycoprotein blockers on the proliferation ofMDR1 gene expressing cells. , 1996, 65, 389-397.		19
130	Photoirradiation of representative polycyclic aromatic hydrocarbons and twelve isomeric methylbenz[a]anthracene with UVA light: formation of lipid peroxidation. Toxicology and Industrial Health, 2006, 22, 147-156.	1.4	18
131	Platinum nanoparticles: an avenue for enhancing the release of nitric oxide from S-nitroso-N-acetylpenicillamine and S-nitrosoglutathione. Nanoscale, 2018, 10, 11176-11185.	5.6	18
132	A welding phenomenon of dissimilar nanoparticles in dispersion. Nature Communications, 2019, 10, 219.	12.8	18
133	Effects of Conjugated Linoleic Acid (CLA) Isomers on Oxygen Diffusionâ^'Concentration Products in Liposomes and Phospholipid Solutions. Journal of Agricultural and Food Chemistry, 2006, 54, 7287-7293.	5.2	17
134	UVA Photoirradiation of Nitro-Polycyclic Aromatic Hydrocarbonsâ€"Induction of Reactive Oxygen Species and Formation of Lipid Peroxides â€. International Journal of Environmental Research and Public Health, 2013, 10, 1062-1084.	2.6	17
135	Ferroxidase-like and antibacterial activity of PtCu alloy nanoparticles. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2019, 37, 99-115.	2.9	17
136	UVA photoirradiation of anhydroretinol â€“ formation of singlet oxygen and superoxide. Toxicology and Industrial Health, 2007, 23, 625-631.	1.4	16
137	UVA Photoirradiation of Oxygenated Benz[a]anthracene and 3-Methylcholanthene - Generation of Singlet Oxygen and Induction of Lipid Peroxidation. International Journal of Environmental Research and Public Health, 2008, 5, 26-31.	2.6	15
138	Exploring the activities of ruthenium nanomaterials as reactive oxygen species scavengers. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2017, 35, 223-238.	2.9	15
139	Effects of conjugated linoleic acid on oxygen diffusion-concentration product and depletion in membranes by using electron spin resonance spin-label oximetry. Lipids, 1999, 34, 1017-1023.	1.7	14
140	Photoirradiation of polycyclic aromatic hydrocarbon diones by UVA light leading to lipid peroxidation. Chemosphere, 2011, 85, 83-91.	8.2	14
141	Effects of noble metal nanoparticles on the hydroxyl radical scavenging ability of dietary antioxidants. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2018, 36, 84-97.	2.9	14
142	Photocytotoxicity in human dermal fibroblasts elicited by permanent makeup inks containing titanium dioxide. Journal of Cosmetic Science, 2011, 62, 535-47.	0.1	14
143	Effects of Fumonisin B1on Oxygen Transport in Membranes. Biochemical and Biophysical Research Communications, 1996, 225, 250-255.	2.1	13
144	Effects of epi-gallocatechin gallate on PC-3 cell cytoplasmic membrane in the presence of Cu2+. Food Chemistry, 2006, 95, 108-115.	8.2	13

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145	Effects of Wheat Antioxidants on Oxygen Diffusionâ"Concentration Products in Liposomes and mRNA Levels of HMG-CoA Reductase and Cholesterol 7Î±-Hydroxylase in Primary Rat Hepatocytes. Journal of Agricultural and Food Chemistry, 2008, 56, 5033-5042.	5.2	13
146	Metabolic Activation of Pyrrolizidine Alkaloids Leading to Phototoxicity and Photogenotoxicity in Human HaCaT Keratinocytes. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2014, 32, 362-384.	2.9	13
147	Formation of iron oxide/Pd hybrid nanostructures with enhanced peroxidase-like activity and catalytic reduction of 4-nitrophenol. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2017, 35, 159-172.	2.9	13
148	Effects of Metal Ions, Catechins, and Their Interactions on Prostate Cancer. Critical Reviews in Food Science and Nutrition, 2007, 47, 711-719.	10.3	12
149	Role of Zn2+ in epigallocatechin gallate affecting the growth of PC-3 cells. Journal of Trace Elements in Medicine and Biology, 2007, 21, 125-131.	3.0	12
150	Light-induced toxic effects of tamoxifen: A chemotherapeutic and chemopreventive agent. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 50-56.	3.9	12
151	Resolution of phospholipid conformational heterogeneity in model membranes by spin-label EPR and frequency-domain fluorescence spectroscopy. Biophysical Journal, 1991, 59, 654-669.	0.5	11
152	Electron-electron double resonance (ELDOR) with a loop-gap resonator. Journal of Magnetic Resonance, 1985, 63, 142-150.	0.5	10
153	Lateral diffusion of lipid probes in the surface membrane of human platelets. An electron-electron double resonance (ELDOR) study. Biophysical Journal, 1986, 50, 503-506.	0.5	10
154	Fatty acids in tea shoots (Camellia sinensis (L.) O. Kuntze) and their effects on the growth of retinal RF/6A endothelial cell lines. Molecular Nutrition and Food Research, 2007, 51, 221-228.	3.3	9
155	Regulation of Influenza Virus-Caused Oxidative Stress by Kegan Liyan Oral Prescription, as Monitored by Ascorbyl Radical ESR Signals. The American Journal of Chinese Medicine, 2009, 37, 1167-1177.	3.8	9
156	Effects of P25 TiO₂ Nanoparticles on the Free Radical-Scavenging Ability of Antioxidants upon Their Exposure to Simulated Sunlight. Journal of Agricultural and Food Chemistry, 2017, 65, 9893-9901.	5.2	9
157	Evaluation of the structureâ€"activity relationship of carbon nanomaterials as antioxidants. Nanomedicine, 2018, 13, 733-747.	3.3	9
158	Disruption of microfilaments by cytochalasin B decreases accumulation of cisplatin in human epidermal carcinoma and liver carcinoma cell lines. Cancer Chemotherapy and Pharmacology, 2008, 62, 977-984.	2.3	8
159	Different roles for K+ channels in cisplatin-resistant cell lines argue against a critical role for these channels in cisplatin resistance. Anticancer Research, 2005, 25, 4113-22.	1.1	8
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