Bin Xia

List of Publications by Year
in descending order

36 papers	935 citations	516710 16 h-index	454955 30 g-index
38 all docs	38 docs citations	38 times ranked	1468 citing authors

#	Article	IF	Citations
1	A New Balanced-to-Balanced Power Divider/Combiner. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2791-2798.	4.6	102
2	Dual-delivery of VEGF and NGF by emulsion electrospun nanofibrous scaffold for peripheral nerve regeneration. Materials Science and Engineering C, 2018, 82, 253-264.	7.3	102
3	Phthalate exposure and childhood overweight and obesity: Urinary metabolomic evidence. Environment International, 2018, 121, 159-168.	10.0	79
4	A Balanced-to-Balanced Power Divider With Arbitrary Power Division. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2831-2840.	4.6	76
5	Exposure to particulate air pollution during early pregnancy is associated with placental DNA methylation. Science of the Total Environment, 2017, 607-608, 1103-1108.	8.0	71
6	A Half-Mode Substrate Integrated Waveguide Ring for Two-Way Power Division of Balanced Circuit. IEEE Microwave and Wireless Components Letters, 2012, 22, 333-335.	3.2	56
7	Personal exposure to PM2.5 constituents associated with gestational blood pressure and endothelial dysfunction. Environmental Pollution, 2019, 250, 346-356.	7.5	49
8	In vivo repair of rat transected sciatic nerve by low-intensity pulsed ultrasound and induced pluripotent stem cells-derived neural crest stem cells. Biotechnology Letters, 2015, 37, 2497-2506.	2.2	46
9	Influence of pH and DO on the ofloxacin degradation in water by UVA-LED/TiO2 nanotube arrays photocatalytic fuel cell: mechanism, ROSs contribution and power generation. Journal of Hazardous Materials, 2020, 383, 121220.	12.4	40
10	Lowâ€intensity pulsed ultrasound combination with induced pluripotent stem cellsâ€derived neural crest stem cells and growth differentiation factor 5 promotes sciatic nerve regeneration and functional recovery. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 625-636.	2.7	33
11	Collaborative Design of a New Dual-Bandpass 180^{circ} Hybrid Coupler. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1053-1066.	4.6	32
12	Evaluating effects of prenatal exposure to phthalates on neonatal birth weight: Structural equation model approaches. Chemosphere, 2018, 205, 674-681.	8.2	28
13	Carbon distribution and fluxes of 16 rivers discharging into the Bohai Sea in summer. Acta Oceanologica Sinica, 2011, 30, 43-54.	1.0	27
14	Noncovalent phosphorylation of CoCr layered double hydroxide nanosheets with improved electrocatalytic activity for the oxygen evolution reaction. Chemical Communications, 2019, 55, 12076-12079.	4.1	20
15	Cadmium Hydroxide: A Missing Non-Noble Metal Hydroxide Electrocatalyst for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 1305-1310.	5.1	20
16	In utero and lactational exposure of DEHP increases the susceptibility of prostate carcinogenesis in male offspring through PSCA hypomethylation. Toxicology Letters, 2018, 292, 78-84.	0.8	19
17	Gene expression profiling analysis of the effects of lowâ€intensity pulsed ultrasound on induced pluripotent stem cellâ€“derived neural crest stem cells. Biotechnology and Applied Biochemistry, 2017, 64, 927-937.	3.1	17
18	Prenatal vanadium exposure, cytokine expression, and fetal growth: A gender-specific analysis in Shanghai MCPC study. Science of the Total Environment, 2019, 685, 1152-1159.	8.0	14

#	Article	IF	Citations
19	Predicting gestational personal exposure to PM2.5 from satellite-driven ambient concentrations in Shanghai. Chemosphere, 2019, 233, 452-461.	8.2	14
20	Association between fetal growth restriction and maternal exposure to polybrominated diphenyl ethers. Ecotoxicology and Environmental Safety, 2020, 198, 110623.	6.0	14
21	Degradation of ofloxacin by UVA-LED/TiO2 nanotube arrays photocatalytic fuel cells. Chemical Papers, 2018, 72, 359-368.	2.2	13
22	A New Compact Power Divider Based on Capacitor Central Loaded Coupled Microstrip Line. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4249-4256.	4.6	11
23	An Absorptive Balanced-to-Balanced Power Divider. IEEE Access, 2018, 6, 14613-14619.	4.2	10
24	Proâ€angiogenic decellularized vessel matrix gel modified by silk fibroin for rapid vascularization of tissue engineering scaffold. Journal of Biomedical Materials Research - Part A, 2021, 109, 1701-1713.	4.0	10
25	Stem Cell-based Therapy Strategy for Hepatic Fibrosis by Targeting Intrahepatic Cells. Stem Cell Reviews and Reports, 2022, 18, 77-93.	3.8	7
26	A new quad-band Wilkinson power divider. Journal of Electromagnetic Waves and Applications, 2014, 28, 1622-1634.	1.6	6
27	A Novel Design of Compact Out-of-Phase Power Divider With Arbitrary Ratio. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5235-5243.	4.6	4
28	A New Gysel Out-of-Phase Power Divider With Arbitrary Power Dividing Ratio Based on Analysis Method of Equivalence of N-Port Networks. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1335-1343.	4.6	3
29	An Unequal Wilkinson Power Divider Based on Integrated Passive Device Technology and Parametric Model. IEEE Microwave and Wireless Components Letters, 2022, 32, 281-284.	3.2	3
30	Conductive Bridging-Based Memristive RF Switches on a Silicon Substrate. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 24-34.	4.6	3
31	Effect of Mono-2-ethyhexyl Phthalate on DNA Methylation in Human Prostate Cancer LNCaP Cells. Biomedical and Environmental Sciences, 2017, 30, 641-648.	0.2	2
32	An approach to 1-to-3 way microstrip balanced-to-balanced power divider/combiner. , 2017, , .		1
33	A Parametric Model and Design of Integrated Passive Inductors. , 2020, , .		1
34	A independently controllable dual band filter. , 2012, , .		0
35	Dual-Band Fabry-Perot Resonator Antenna Based on Hybrid Graphene-Metal Structure. , 2019, , .		0
36	Comparative Analysis of Out-of-Band Power Handling Capacities for Lossy Filters. , 2021, , .		0