Murugananthan Muthu

List of Publications by Year
in descending order

33 papers	2,402 citations	201385 27 h-index	395343 33 g-index
35 all docs	35 docs citations	35 times ranked	2949 citing authors

#	Article	IF	Citations
1	Bifunctional Pd-O_x Center at the Liquidâ€“Solidâ€“Gas Triphase Interface for H₂O₂ Photosynthesis. ACS Catalysis, 2022, 12, 2138-2149.	5.5	58
2	A novel electric-assisted photocatalytic technique using self-doped TiO2 nanotube films. Applied Catalysis B: Environmental, 2022, 307, 121174.	10.8	33
3	Gas-phase photoelectrocatalytic oxidation of volatile organic compounds using defective WO₃/TiO₂ nanotubes mesh. Environmental Science: Nano, 2022, 9, 2172-2181.	2.2	4
4	Electrochemical detection of fenitrothion usingnanosilver/dodecane modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2021, 331, 129467.	4.0	26
5	Enhanced photocatalytic CO2 reduction with defective TiO2 nanotubes modified by single-atom binary metal components. Environmental Research, 2021, 198, 111176.	3.7	29
6	Electrochemically self-doped WO3/TiO2 nanotubes for photocatalytic degradation of volatile organic compounds. Applied Catalysis B: Environmental, 2020, 260, 118205.	10.8	142
7	Enhancement of S(IV)-Cr(VI) reaction in p-nitrophenol degradation using rice husk biochar at neutral conditions. Science of the Total Environment, 2020, 749, 142086.	3.9	12
8	Stabilized oxygen vacancies over heterojunction for highly efficient and exceptionally durable VOCs photocatalytic degradation. Applied Catalysis B: Environmental, 2020, 273, 119061.	10.8	43
9	A novel, biocompatible and electrocatalytic stearic acid/nanosilver modified glassy carbon electrode for the sensing of paraoxon pesticide in food samples and commercial formulations. Food Chemistry, 2020, 323, 126814.	4.2	27
10	Construction of an in-situ Fenton-like system based on a g-C3N4 composite photocatalyst. Journal of Hazardous Materials, 2019, 373, 565-571.	6.5	32
11	Graphitic carbon nitride based photocatalysis for redox conversion of arsenic(III) and chromium(VI) in acid aqueous solution. Applied Catalysis B: Environmental, 2019, 248, 349-356.	10.8	74
12	Visible light-driven photocatalytically active g-C3N4 material for enhanced generation of H2O2. Applied Catalysis B: Environmental, 2018, 232, 19-25.	10.8	227
13	Highly Efficient and Visible Light Responsive Heterojunction Composites as Dual Photoelectrodes for Photocatalytic Fuel Cell. Catalysts, 2018, 8, 30.	1.6	19
14	Fabrication of a Z-Scheme g-C3N4/Fe-TiO2 Photocatalytic Composite with Enhanced Photocatalytic Activity under Visible Light Irradiation. Catalysts, 2018, 8, 112.	1.6	33
15	Anodic oxidation of isothiazolin-3-ones in aqueous medium by using boron-doped diamond electrode. Diamond and Related Materials, 2016, 69, 152-159.	1.8	34
16	Degradation of p-Nitrophenol by thermally activated persulfate in soil system. Chemical Engineering Journal, 2016, 283, 1357-1365.	6.6	104
17	Development of novel Î±-Fe2O3/NiTiO3 heterojunction nanofibers material with enhanced visible-light photocatalytic performance. Journal of Alloys and Compounds, 2015, 630, 110-116.	2.8	49
18	Electrochemical reduction of CO2 using Cu electrode in methanol/LiClO4 electrolyte. International Journal of Hydrogen Energy, 2015, 40, 6740-6744.	3.8	32

#	Article	IF	Citations
19	Synthesis of Z-scheme g-C₃N₄â€“Ti³⁺/TiO₂ material: an efficient visible light photoelectrocatalyst for degradation of phenol. Physical Chemistry Chemical Physics, 2015, 17, 8877-8884.	1.3	59
20	Degradation of p-nitrophenol by heat and metal ions co-activated persulfate. Chemical Engineering Journal, 2015, 264, 39-47.	6.6	155
21	Electrochemical degradation and mechanistic analysis of microcystin-LR at boron-doped diamond electrode. Chemical Engineering Journal, 2014, 243, 117-126.	6.6	21
22	Degradation of Rhodamine B using a Visible-light driven Photocatalytic Fuel Cell. Electrochimica Acta, 2014, 144, 7-15.	2.6	59
23	Electrochemically Self-Doped TiO2 Nanotube Arrays for Efficient Visible Light Photoelectrocatalytic Degradation of Contaminants. Electrochimica Acta, 2014, 136, 310-317.	2.6	97
24	Electrochemical degradation of PNP at boron-doped diamond and platinum electrodes. Journal of Hazardous Materials, 2013, 244-245, 295-302.	6.5	46
25	Photoelectrocatalytic degradation of microcystin-LR using Ag/AgCl/TiO2 nanotube arrays electrode under visible light irradiation. Chemical Engineering Journal, 2013, 231, 455-463.	6.6	77
26	Role of electrolyte on anodic mineralization of atenolol at boron doped diamond and Pt electrodes. Separation and Purification Technology, 2011, 79, 56-62.	3.9	79
27	Anodic oxidation of ketoprofenâ€”An anti-inflammatory drug using boron doped diamond and platinum electrodes. Journal of Hazardous Materials, 2010, 180, 753-758.	6.5	75
28	Decomposition of various endocrine-disrupting chemicals at boron-doped diamond electrode. Electrochimica Acta, 2009, 54, 2031-2038.	2.6	58
29	Mineralization of bisphenol A (BPA) by anodic oxidation with boron-doped diamond (BDD) electrode. Journal of Hazardous Materials, 2008, 154, 213-220.	6.5	192
30	Electrochemical degradation of 17Î²-estradiol (E2) at boron-doped diamond (Si/BDD) thin film electrode. Electrochimica Acta, 2007, 52, 3242-3249.	2.6	153
31	Removal of tannins and polyhydroxy phenols by electro-chemical techniques. Journal of Chemical Technology and Biotechnology, 2005, 80, 1188-1197.	1.6	45
32	Separation of pollutants from tannery effluents by electro flotation. Separation and Purification Technology, 2004, 40, 69-75.	3.9	144
33	Removal of sulfide, sulfate and sulfite ions by electro coagulation. Journal of Hazardous Materials, 2004, 109, 37-44.	6.5	154