

# K Chandrasekara Pillai

## List of Publications by Year in descending order

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29  
papers

639  
citations

623734

14  
h-index

580821

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical and XPS Characterization of Glassy Carbon Electrode Surface Effects on the Preparation of a Monomeric Molybdate(VI)-Modified Electrode. <i>Langmuir</i> , 1997, 13, 566-575.	3.5	91
2	Experimental aspects of combined NO <sub>x</sub> and SO <sub>2</sub> removal from flue-gas mixture in an integrated wet scrubber-electrochemical cell system. <i>Chemosphere</i> , 2009, 76, 657-664.	8.2	80
3	Electrochemical immobilization of ellagic acid phytochemical on MWCNT modified glassy carbon electrode surface and its efficient hydrazine electrocatalytic activity in neutral pH. <i>Journal of Electroanalytical Chemistry</i> , 2016, 782, 215-224.	3.8	63
4	RuO <sub>2</sub> electrode surface effects in electrocatalytic oxidation of glucose. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 967-979.	2.5	38
5	A sustainable environmentally friendly NO <sub>x</sub> removal process using Ag(II)/Ag(I)-mediated electrochemical oxidation. <i>Separation and Purification Technology</i> , 2009, 65, 156-163.	7.9	35
6	Studies on electrochemical recovery of silver from simulated waste water from Ag(II)/Ag(I) based mediated electrochemical oxidation process. <i>Chemosphere</i> , 2008, 73, 1505-1511.	8.2	34
7	Studies of electrochemical behaviour of RuO <sub>2</sub> -PVC film electrodes: dependence on oxide preparation temperature. <i>Journal of Solid State Electrochemistry</i> , 2000, 4, 408-416.	2.5	30
8	Studies on process parameters for chlorine dioxide production using IrO <sub>2</sub> anode in an un-divided electrochemical cell. <i>Journal of Hazardous Materials</i> , 2009, 164, 812-819.	12.4	30
9	Cetyltrimethyl ammonium bromide surfactant-assisted morphological and electrochemical changes in electrochemically prepared nanoclustered iron(III) hexacyanoferrate. <i>Journal of Electroanalytical Chemistry</i> , 2006, 589, 167-175.	3.8	28
10	Mechanism of activation of glassy carbon electrodes by cathodic pretreatment. <i>Journal of Solid State Electrochemistry</i> , 1999, 3, 357-360.	2.5	25
11	Compositional changes in unusually stabilized Prussian blue by CTAB surfactant: Application to electrocatalytic reduction of H <sub>2</sub> O <sub>2</sub> . <i>Electrochemistry Communications</i> , 2006, 8, 621-626.	4.7	22
12	Flow-injection analysis coupled with electrochemical detection of poisonous inorganic arsenic(III) species using a gold nanoparticle/carbon nanofiber/chitosan chemically modified carbon screen printed electrode in neutral pH solution. <i>Analytical Methods</i> , 2018, 10, 799-808.	2.7	22
13	Removal of H <sub>2</sub> S using a new Ce(IV) redox mediator by a mediated electrochemical oxidation process. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 447-453.	3.2	21
14	Dechlorination of 1,2-methylallyl chloride by electrogenerated [Co(I)(bipyridine) <sub>3</sub> ] <sup>+</sup> : An electrochemical study in the presence of cationic surfactants. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 687-695.	9.4	14
15	Studies on promising cell performance with H <sub>2</sub> SO <sub>4</sub> as the catholyte for electrogeneration of Ag <sub>2</sub> <sup>+</sup> from Ag <sup>+</sup> in HNO <sub>3</sub> anolyte in mediated electrochemical oxidation process. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 23-30.	2.9	13
16	Surfactant structural effects on mediated electrocatalytic dechlorination: Links between the micellar enhancement of dechlorination reactions and micellar properties. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 871-881.	9.4	13
17	Surfactant effects on mediated electrocatalytic dechlorination of allylchloride. <i>Journal of Molecular Catalysis A</i> , 2001, 169, 137-146.	4.8	12
18	Using RuO <sub>2</sub> anode for chlorine dioxide production in an un-divided electrochemical cell. <i>Water Science and Technology</i> , 2010, 61, 2151-2160.	2.5	11

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19	Electrochemically mediated reduction of epichlorohydrin pollutant by Ni(I)(hexamethylcyclam) in aqueous media. <i>Electrochimica Acta</i> , 2017, 232, 570-580.	5.2	10
20	Regioselective Electrochemical Oxidation of One of the Identical Benzene Rings of Carbazole to 1,4-Quinone on the MWCNT Surface and Its Electrocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30283-30293.	3.1	8
21	Simultaneous Removal of NO <sub>x</sub> and SO <sub>2</sub> : A Promising Ag(II)/Ag(I) Based Mediated Electrochemical Oxidation System. <i>Clean - Soil, Air, Water</i> , 2008, 36, 476-481.	1.1	7
22	Selective and low potential electrocatalytic oxidation of NADH using a 2,2-diphenyl-1-picrylhydrazyl immobilized graphene oxide-modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3393-3408.	2.5	7
23	Octacyanomolybdate-doped-poly(4-vinylpyridine) ionomer film electrode for the electrocatalytic oxidation of l-ascorbic acid. <i>Journal of Solid State Electrochemistry</i> , 2006, 11, 126-133.	2.5	5
24	Studies on Effective Generation of Mediators Simultaneously at Both Half-Cells for VOC Degradation by Mediated Electroreduction and Mediated Electrooxidation. <i>ACS Omega</i> , 2017, 2, 3562-3571.	3.5	5
25	Electrochemical Analysis of Aqueous Benzalkonium Chloride Micellar Solution and Its Mediated Electrocatalytic De-Chlorination Application. <i>Catalysts</i> , 2019, 9, 99.	3.5	5
26	Preparation and characterisation of monomeric molybdate(VI) anion-doped polypyrrole electrodes. <i>Journal of Solid State Electrochemistry</i> , 1999, 3, 474-477.	2.5	4
27	Behavior of cathodically pretreated platinum on Fe(CN) <sub>6</sub> <sup>3-</sup> electroreduction in KNO <sub>3</sub> : Dependence on pretreatment. <i>Electroanalysis</i> , 1995, 7, 1182-1188.	2.9	3
28	Effect of adsorbed S-benzylisothiuronium cation on hydrogen evolution reaction at mild steel electrode. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 1057-1064.	0.9	2
29	Combined effect of inherent residual chloride and bound water content and surface morphology on the intrinsic electron-transfer activity of ruthenium oxide. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2183-2196.	2.5	1