

Ari Ivaska

List of Publications by Year in descending order

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62
papers

2,919
citations

257450

24
h-index

161849

54
g-index

63
all docs

63
docs citations

63
times ranked

4170
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent functionalization of chemically converted graphene sheets via silane and its reinforcement. <i>Journal of Materials Chemistry</i> , 2009, 19, 4632.	6.7	711
2	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid with Chitosan-Graphene Modified Electrode. <i>Electroanalysis</i> , 2010, 22, 2001-2008.	2.9	329
3	Potentiometric Ion Sensors Based on Conducting Polymers. <i>Electroanalysis</i> , 2003, 15, 366-374.	2.9	258
4	The synthesis of perylene-coated graphene sheets decorated with Au nanoparticles and its electrocatalysis toward oxygen reduction. <i>Journal of Materials Chemistry</i> , 2009, 19, 4022.	6.7	143
5	Green synthesis of 12 nm gold nanoparticles stabilized by amine-terminated ionic liquid and their electrocatalytic activity in oxygen reduction. <i>Green Chemistry</i> , 2008, 10, 907.	9.0	125
6	Analytical applications of conducting polymers. <i>Electroanalysis</i> , 1991, 3, 247-254.	2.9	101
7	Graphene Oxide-Templated Polyaniline Microsheets toward Simultaneous Electrochemical Determination of AA/DA/UA. <i>Electroanalysis</i> , 2011, 23, 878-884.	2.9	100
8	Comparison of Multi-walled Carbon Nanotubes and Poly(3-octylthiophene) as Ion-to-Electron Transducers in All-Solid-State Potassium Ion-Selective Electrodes. <i>Electroanalysis</i> , 2011, 23, 1352-1358.	2.9	63
9	Modeling Potentiometric Sensitivity of Conducting Polymers. <i>Analytical Chemistry</i> , 1997, 69, 4060-4064.	6.5	60
10	Potentiometric Ag ⁺ Sensors Based on Conducting Polymers: A Comparison between Poly(3,4-ethylenedioxythiophene) and Polypyrrole Doped with Sulfonated Calixarenes. <i>Electroanalysis</i> , 2005, 17, 1609-1615.	2.9	59
11	Microcavity Based Solid-Contact Ion-Selective Microelectrodes. <i>Electroanalysis</i> , 2006, 18, 1372-1378.	2.9	57
12	Flexible solid state lithium batteries based on graphene inks. <i>Journal of Materials Chemistry</i> , 2011, 21, 9762.	6.7	52
13	Electrochemical synthesis and characterization of poly(3,4-ethylenedioxythiophene) in ionic liquids with bulky organic anions. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 809.	2.5	50
14	Potentiometric sensors based on poly(3,4-ethylenedioxythiophene) (PEDOT) doped with sulfonated calix[4]arene and calix[4]resorcarenes. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 312-319.	2.5	49
15	Electrochemical fabrication of a nonvolatile memory device based on polyaniline and gold particles. <i>Journal of Materials Chemistry</i> , 2008, 18, 1853.	6.7	42
16	Study of polypyrrole film as redox electrode. <i>Electroanalysis</i> , 1993, 5, 261-263.	2.9	41
17	All-Solid-State Chloride-Selective Electrode Based on Poly(3-octylthiophene) and Tridodecylmethylammonium Chloride. <i>Electroanalysis</i> , 1999, 11, 821-824.	2.9	40
18	Potentiometric sensors for Ag ⁺ based on poly(3-octylthiophene) (POT). <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 865-873.	2.5	36

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19	Solid Contact Micropipette Ion Selective Electrode for Potentiometric SECM. <i>Electroanalysis</i> , 2007, 19, 1116-1122.	2.9	36
20	All-Solid-State Ag ⁺ -ISE Based on [2.2.2]p,p,p-Cyclophane. <i>Electroanalysis</i> , 2001, 13, 723-726.	2.9	33
21	Ion-Selective Organic Electrochemical Junction Transistors Based on Poly(3,4-ethylenedioxythiophene) Doped with Poly(styrene sulfonate). <i>Electroanalysis</i> , 2009, 21, 472-479.	2.9	33
22	Polyelectrolyte-functionalized ionic liquid for electrochemistry in supporting electrolyte-free aqueous solutions and application in amperometric flow injection analysis. <i>Green Chemistry</i> , 2007, 9, 746.	9.0	32
23	In situ electrochemical SERS studies on electrodeposition of aniline on 4-ATP/Au surface. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 886-893.	2.5	29
24	The Nature of the Charge Carriers in Polyazulene as Studied by in Situ Electron Spin Resonance-UV-Visible-Near-Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14149-14157.	2.6	27
25	Electrochemical Behaviour of Poly(benzopyrene) Films Doped with Eriochrome Black T as a Pb ²⁺ -Sensitive Sensors. <i>Electroanalysis</i> , 2010, 22, 2794-2800.	2.9	25
26	Silver Ion-Selective Electrodes Based on ĩ-Coordinating Ionophores Without Heteroatoms. <i>Electroanalysis</i> , 2002, 14, 1353-1357.	2.9	24
27	All-Solid-State Chloride Sensors with Poly(3-Octylthiophene) Matrix and Trihexadecylmethylammonium Chlorides as an Ion Exchanger Salt. <i>Electroanalysis</i> , 2004, 16, 379-385.	2.9	24
28	Potentiometric Titration of Weak Acids. <i>Analytical Letters</i> , 1973, 6, 961-967.	1.8	19
29	Solid Contact Micropipette Ion Selective Electrode II: Potassium Electrode for SECM and In Vivo Applications. <i>Electroanalysis</i> , 2009, 21, 1970-1976.	2.9	19
30	Determination of Na ⁺ , K ⁺ , Ca ²⁺ , and Cl ⁻ Ions in Wood Pulp Suspension Using Ion-Selective Electrodes. <i>Electroanalysis</i> , 2001, 13, 1119-1124.	2.9	18
31	Sorption of metal ions to untreated, alkali-treated and peroxide-bleached TMP. <i>Cellulose</i> , 2010, 17, 1033-1044.	4.9	18
32	A Jet Ring Cell with a Renewable Solid Support for Amperometric Detection of Glucose in a Sequential Injection Analysis System. <i>Analytical Letters</i> , 1996, 29, 2257-2267.	1.8	17
33	Determination of Trace Amounts of Copper(I) with a Chemically Modified Carbon Paste Electrode. <i>Analytical Sciences</i> , 1992, 8, 337-343.	1.6	16
34	Automatic dynamic chemical fractionation method with detection by plasma spectrometry for advanced characterization of solid biofuels. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 841.	3.0	14
35	Electrochemical preparation of oligo(azulene) on nanoporous TiO ₂ and characterization of the composite layer. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1583-1591.	2.9	13
36	Preparation of Multi-Walled Carbon Nanotube/Amino-Terminated Ionic Liquid Arrays and Their Electrocatalysis towards Oxygen Reduction. <i>Materials</i> , 2010, 3, 672-681.	2.9	13

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37	Sorption of metal ions from aqueous solution to spruce bark. <i>Wood Science and Technology</i> , 2013, 47, 1083-1097.	3.2	13
38	Ion Exchange Behavior of Polypyrrole Doped with Large Anions in Electrolytes Containing Mono- and Divalent Metal Ions. <i>Electroanalysis</i> , 2013, 25, 991-1004.	2.9	13
39	Synthesis and characterization of polypyrrole/H-Beta zeolite nanocomposites. <i>RSC Advances</i> , 2014, 4, 33120-33126.	3.6	13
40	Charge Carrier Transport and Optical Properties of Poly[N-methyl(aniline)]. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16571-16576.	3.1	12
41	Novel flow injection methods for drug-receptor interaction studies, based on probing cell metabolism. <i>Analyst</i> , 2000, 125, 1889-1895.	3.5	10
42	Characterisation of the aluminium- electropolymerised poly(3,4-ethylenedioxythiophene) system. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1185-1195.	2.5	10
43	Flowerlike submicrometer gold particles: Size- and surface roughness-controlled synthesis and electrochemical characterization. <i>Journal of Materials Research</i> , 2010, 25, 1755-1760.	2.6	10
44	Surface modified high rectification organic diode based on sulfonated poly(aniline). <i>Journal of Materials Chemistry</i> , 2006, 16, 3014-3020.	6.7	9
45	Binding affinities of different metal ions to unbleached hardwood kraft pulp. <i>Holzforschung</i> , 2011, 65, .	1.9	9
46	Synthesis and optimization of PEDOT:PSS based ink for printing nanoarrays using Dip-Pen Nanolithography. <i>Synthetic Metals</i> , 2013, 181, 64-71.	3.9	9
47	Lowering the Detection Limit of Solvent Polymeric Ion-Selective Membrane Electrodes. An Experimental Study with Calcium-Selective Micropipette Electrodes. <i>Analytical Letters</i> , 2003, 36, 2909-2923.	1.8	7
48	Characterization of Water-Dispersible n-Type Poly(benzimidazobenzophenanthroline) Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1567-1574.	2.2	7
49	Impedance study of thiolated polyaniline. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2783-2789.	2.5	7
50	Poly(2-methoxynaphthalene): A spectroelectrochemical study on a fused ring conducting polymer. <i>Electrochimica Acta</i> , 2014, 115, 10-15.	5.2	7
51	Ion-selective electrodes in potentiometric titrations; a new method for processing and evaluating titration data. <i>Analytica Chimica Acta</i> , 2015, 888, 36-43.	5.4	7
52	Study on desorption of Mn, Fe, and Mg from TMP and evaluation of the complexing strength of different chelating agents using side reaction coefficients 10^{th} EWLP, Stockholm, Sweden, August 25-28, 2008. <i>Holzforschung</i> , 2009, 63, 785-790.	1.9	6
53	Determination of Calcium with Ion-Selective Electrode in Black Liquor from a Kraft Pulping Process. <i>Electroanalysis</i> , 2009, 21, 2014-2021.	2.9	6
54	Investigation of Protein Binding With All Solid-State Ion-Selective Electrodes. <i>Electroanalysis</i> , 2013, 25, 1887-1894.	2.9	6

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55	Determination of metal ions in single wood fiber by LA-ICP-MS. <i>Holzforschung</i> , 2012, 66, 833-840.	1.9	5
56	Electrochemical properties of novel porous carbon based material synthesized from polycyclic aromatic hydrocarbons. <i>Electrochimica Acta</i> , 2013, 105, 384-393.	5.2	4
57	Determination of equilibrium constants for sorption of metal ions to pulp by a batch method. <i>Nordic Pulp and Paper Research Journal</i> , 2013, 28, 521-528.	0.7	4
58	Polyterthiophenes Cross-Linked with Terpyridyl Metal Complexes for Molecular Architecture of Optically and Electrochemically Tunable Materials. <i>ChemElectroChem</i> , 2020, 7, 4453-4459.	3.4	4
59	Electrodeposition of composites consisting of polypyrrole and microporous zeolites. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 59-70.	2.5	3
60	Determination of the stability constant of the calcium binding ligand in black liquor (BL) by potentiometric titration. <i>Holzforschung</i> , 2016, 70, 733-738.	1.9	2
61	Determination of ion exchange constants for pairs of metal ions to lignocellulosic materials by column chromatography. <i>Holzforschung</i> , 2014, 68, 875-880.	1.9	1
62	Conductive Polymer Bilayers – A Spectroelectrochemical Look at Their Doping Reactions. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1312, 1.	0.1	0