

Timothy McCormac

List of Publications by Year in descending order

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59
papers

1,279
citations

331670

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377865

34
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59
all docs

59
docs citations

59
times ranked

1384
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilayer assemblies of a Cu-phthalocyanine with Dawson type polyoxometalates (POMs) for the electrocatalytic reduction of phosphate. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113770.	3.8	13
2	Tetra-Mn ^{III} -Containing 30-Tungsto-4-phosphate, [Mn ^{III} ₄ (H ₂ O) ₂ (P ₂ W ₁₅ O ₅₆) ₂] Synthesis, Structure, XPS, Magnetism, and Electrochemical Study. <i>Inorganic Chemistry</i> , 2020, 59, 13034-13041.	4.0	7
3	Layer-by-layer assembly of graphene oxide and 12-molybdosilicate composite films for the electrocatalytic reduction of chloroform in neutral aqueous solution. <i>Electrochimica Acta</i> , 2020, 343, 135987.	5.2	5
4	Electrochemical, surface and electrocatalytic properties of electrode multilayer assemblies composed of a ruthenium metallodendrimer and a wheel-shaped Cu-20 Tungstophosphate. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 77-84.	3.8	5
5	Scanning electrochemical microscopy imaging of poly (3,4-ethylendioxythiophene)/thionine electrodes for lactate detection via NADH electrocatalysis. <i>Biosensors and Bioelectronics</i> , 2019, 137, 15-24.	10.1	19
6	Transition Metal-Substituted Krebs-Type Polyoxometalate-Doped PEDOT Films. <i>Langmuir</i> , 2019, 35, 11007-11015.	3.5	6
7	Surface immobilisation of the Krebs type polyoxometalates with silver nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 493-499.	3.8	1
8	Electrochemical Characterisation of Ni ^{II} -Crown-Type Polyoxometalate-Doped Polypyrrole Films for the Catalytic Reduction of Bromate in Water. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 394-401.	2.0	15
9	Redox switching of polyoxometalate-doped polypyrrole films in ionic liquid media. <i>Electrochimica Acta</i> , 2018, 265, 254-258.	5.2	4
10	Electrochemical, surface and electrocatalytic properties of layer-by-layer multilayer assemblies composed of silver nanoparticles and a Ni(II)-crown type polyoxometalate. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 75-82.	3.8	9
11	Polypyrrole entrapped 18-molybdodisulphate anion for the detection of hydrogen peroxide. <i>Electrochimica Acta</i> , 2018, 287, 78-86.	5.2	7
12	Water-processable polypyrrole microparticle modules for direct fabrication of hierarchical structured electrochemical interfaces. <i>Electrochimica Acta</i> , 2016, 190, 495-503.	5.2	21
13	Enhancement of Nitrite and Nitrate Electrocatalytic Reduction through the Employment of Self-Assembled Layers of Nickel- and Copper-Substituted Crown-Type Heteropolyanions. <i>Langmuir</i> , 2015, 31, 2584-2592.	3.5	22
14	Investigations into the Electrochemical, Surface, and Electrocatalytic Properties of the Surface-Immobilized Polyoxometalate, TBA ₃ K[SiW ₁₀ O ₃₆ (PhPO) ₂]. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1046-1056.	8.0	24
15	Electrocatalysis by crown-type polyoxometalates multi-substituted by transition metal ions; Comparative study. <i>Electrochimica Acta</i> , 2015, 176, 1248-1255.	5.2	15
16	Nitrate and Nitrite Electrocatalytic Reduction at Layer-by-Layer Films Composed of Dawson-type Heteropolyanions Mono-substituted with Transitional Metal Ions and Silver Nanoparticles. <i>Electrochimica Acta</i> , 2015, 184, 323-330.	5.2	18
17	Surface Immobilization of a Tetra-Ruthenium Substituted Polyoxometalate Water Oxidation Catalyst Through the Employment of Conducting Polypyrrole and the Layer-by-Layer (LBL) Technique. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8022-8031.	8.0	54
18	Electron Transfer to Covalently Immobilized Keggin Polyoxotungstates on Gold. <i>Langmuir</i> , 2014, 30, 4509-4516.	3.5	19

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19	Redox, surface and electrocatalytic properties of layer-by-layer films based upon Fe(III)-substituted crown polyoxometalate [P8W48O184Fe16(OH)28(H2O)4]20-. <i>Electrochimica Acta</i> , 2014, 134, 450-458.	5.2	22
20	Fast cyclic voltammetry of redox system NAD+/NADH on the copper nanodoped mercury monolayer carbon fiber electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 665, 12-19.	3.8	11
21	Detailed Electrochemical Studies of the Tetra Ruthenium Polyoxometalate Water Oxidation Catalyst in Acidic Media: Identification of an Extended Oxidation Series using Fourier Transformed Alternating Current Voltammetry. <i>Inorganic Chemistry</i> , 2012, 51, 11521-11532.	4.0	33
22	Redox Switching of Polyoxometalate-Methylene Blue-Based Layer-by-Layer Films. <i>Langmuir</i> , 2012, 28, 5480-5488.	3.5	29
23	Transition metal ion-substituted polyoxometalates entrapped in polypyrrole as an electrochemical sensor for hydrogen peroxide. <i>Analyst</i> , 2012, 137, 624-630.	3.5	50
24	Surface immobilisation of the sandwich type Na14[Fe4(Ox)4(H2O)2(SbW9O33)2]·60H2O polyoxometalate. <i>Electrochimica Acta</i> , 2012, 59, 1-7.	5.2	9
25	Surface immobilisation of transition metal substituted Krebs type polyoxometalates, [X2W20M2O70(H2O)6]n- (X=Bi or Sb, M=Co2+ or Cu2+), by the layer by layer technique. <i>Electrochimica Acta</i> , 2011, 56, 10751-10761.	5.2	16
26	Carbon Supported Cobalt and Nickel Based Nanomaterials for Direct Uric Acid Determination. <i>Electroanalysis</i> , 2011, 23, 79-89.	2.9	26
27	Investigations into the Use of a Thionine/PEDOT Layer as an NADH Electrocatalyst with Applications in Glutamate Sensing. <i>ECS Transactions</i> , 2010, 25, 21-32.	0.5	6
28	PtAu/C based bimetallic nanocomposites for non-enzymatic electrochemical glucose detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 80-92.	7.8	85
29	Syntheses and Crystal Structures of dmsO-Coordinated Tungstoantimonates(III) and -bismuthates(III). <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5259-5266.	2.0	9
30	Electrochemical Sensing of NADH and Glutamate Based on Meldola Blue in 1,2-Diaminobenzene and 3,4-Ethylenedioxythiophene Polymer Films. <i>Electroanalysis</i> , 2009, 21, 2099-2108.	2.9	17
31	A stable and selective electrochemical biosensor for the liver enzyme alanine aminotransferase (ALT). <i>Biosensors and Bioelectronics</i> , 2009, 24, 2926-2930.	10.1	45
32	Rapid catalytic-adsorptive determination of picomolar concentrations of Cu2+ with the mercury monolayer carbon fiber electrode. <i>Journal of Electroanalytical Chemistry</i> , 2009, 632, 80-87.	3.8	10
33	Voltammetry of [R4N]4[M18O54(SO3)2] and [Ru(bpy)3]2[M18O54(SO3)2] (M = Mo, W) as microcrystals adhered to a glassy carbon electrode surface in contact with ionic liquid media. <i>Dalton Transactions</i> , 2009, , 6727.	3.3	20
34	Electrochemical studies of osmium-(pyrrole-methyl) pyridine-co-polymers deposited using the membrane template method. <i>Electrochimica Acta</i> , 2008, 53, 4550-4556.	5.2	4
35	Fe₂ and Fe₄ Clusters Encapsulated in Vacant Polyoxotungstates: Hydrothermal Synthesis, Magnetic and Electrochemical Properties, and DFT Calculations. <i>Chemistry - A European Journal</i> , 2008, 14, 3189-3199.	3.3	67
36	Electrochemical Behavior and Multilayer Assembly Films with Fine Functional Activities of the Sandwich-Type Polyoxometallate [Sb₂W₂₀Fe₂O₇₀(H₂O)₆]·8H₂O. <i>Electroanalysis</i> , 2008, 20, 38-46.	2.9	21

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37	Immobilisation of the polyoxometallate cluster, $K_6NaH[Sb_2W_{20}Fe_2O_{70}(H_2O)_6] \cdot 29H_2O$, in a polypyrrole film. <i>Electrochimica Acta</i> , 2008, 54, 868-875.	5.2	11
38	Electrochemical and Surface Properties of Multilayer Films Based on a Ru^{2+} Metallo dendrimer and the Mixed Addenda Dawson Heteropolyanion. <i>Electroanalysis</i> , 2007, 19, 681-689.	2.9	27
39	Synthesis, Characterization and Electrochemical Polymerization of a Ru^{2+} Functionalized Pyrrole Monomer. <i>Electroanalysis</i> , 2007, 19, 1509-1517.	2.9	8
40	Preparation of multilayer films containing a crown heteropolyanion and an osmium functionalised pyrrole monomer. <i>Journal of Electroanalytical Chemistry</i> , 2007, 605, 24-30.	3.8	34
41	Synthesis and characterizations of cyclic octanuclear mixed-valence vanadium(IV,V) clusters with polyoxometalate counterions. <i>Dalton Transactions</i> , 2006, , 5141-5148.	3.3	10
42	Electrochemical characterisation of an Os (II) conjugated polymer in aqueous electrolytes. <i>Electrochimica Acta</i> , 2006, 51, 3484-3488.	5.2	6
43	Electrochemical Properties of an Osmium(II) Copolymer Film and Its Electrocatalytic Ability Towards the Oxidation of Ascorbic Acid in Acidic and Neutral pH. <i>Electroanalysis</i> , 2006, 18, 1097-1104.	2.9	8
44	Investigation into Charge Transport Dynamics of $[Os(bpy)_2(pic\text{olinate})]Cl$ Nafion Films. <i>Electroanalysis</i> , 2006, 18, 1778-1785.	2.9	2
45	Investigation of novel mediators for a glucose biosensor based on metal picolinate complexes. <i>Bioelectrochemistry</i> , 2005, 67, 23-35.	4.6	24
46	Assembly, electrochemical characterisation and electrocatalytic ability of multilayer films based on $[Fe(bpy)_3]^{2+}$, and the Dawson heteropolyanion, $[P_2W_{18}O_{62}]^{6-}$. <i>Journal of Electroanalytical Chemistry</i> , 2005, 574, 359-366.	3.8	84
47	Unusual reactivity of copper(I) complexes of functionalised calix[4]arenes. <i>Inorganica Chimica Acta</i> , 2005, 358, 2661-2670.	2.4	16
48	Solution and solid phase electrochemical behaviour of $[Os(bpy)_3]_3[P_2W_{18}O_{62}]$. <i>Electrochimica Acta</i> , 2005, 51, 281-288.	5.2	8
49	Photophysics of ruthenium polypyridyl complexes formed with lacunary polyoxotungstates with iron addenda. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3426.	2.8	34
50	An Electrochemical Investigation into a Series of Tricyanovinylated Pyrrole Moieties. <i>Electroanalysis</i> , 2004, 16, 1682-1689.	2.9	0
51	Voltammetric behaviour, homogeneous charge transport dynamics and electrocatalytic properties of an Os^{2+} functionalised pyrrole monomer. <i>Journal of Electroanalytical Chemistry</i> , 2004, 573, 203-214.	3.8	5
52	Synthesis and electrochemical characterisation of $[Ru(bpy)_3]_3[P_2W_{18}O_{62}]$. <i>Journal of Electroanalytical Chemistry</i> , 2003, 556, 63-74.	3.8	48
53	Immobilization of a Series of Dawson Type Heteropolyanions. <i>Electroanalysis</i> , 2001, 13, 836-842.	2.9	35
54	Electrochemical investigation into the interaction between various pyrrole moieties and the well-known electron acceptor, tetracyanoethylene. <i>Electrochimica Acta</i> , 2001, 46, 3287-3299.	5.2	16

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55	Part I. A comparative electrochemical study of transition metal substituted Dawson type heteropolyanions. <i>Journal of Electroanalytical Chemistry</i> , 1997, 425, 49-54.	3.8	70
56	Part II. Role of pH and the transition metal for the electrocatalytic reduction of nitrite with transition metal substituted Dawson type heteropolyanions. <i>Journal of Electroanalytical Chemistry</i> , 1997, 427, 155-159.	3.8	49
57	A model for a redox species confined to a thin layer with a variable diffusion coefficient. <i>Electroanalysis</i> , 1996, 8, 139-142.	2.9	2
58	Electrochemical deposition of prussian blue films across interdigital array electrodes and their use in gas sensing. <i>Electroanalysis</i> , 1996, 8, 195-198.	2.9	26
59	Cyclic voltammetry of polypyrroledodecylbenzenesulfonate layers. <i>Electroanalysis</i> , 1995, 7, 287-289.	2.9	12