

Antonio DomÃ©nech-CarbÃ³

List of Publications by Year in descending order

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239
papers

4,795
citations

108046

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214428

50
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263
all docs

263
docs citations

263
times ranked

3474
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ electrochemical monitoring of ROS influence in the dynamics of ascorbic acid and polyphenolic compounds in apple fruits. <i>Food Chemistry</i> , 2022, 374, 131818.	4.2	3
2	Electrochemical methods to discriminate technology and provenance of Apulian red-figured pottery. II: EIS. <i>Archaeometry</i> , 2022, 64, 1124-1137.	0.6	1
3	Modeling dry^{TM} OCP measurements to characterize archaeological iron corrosion II: Short-time transients. <i>Journal of Electroanalytical Chemistry</i> , 2022, 911, 116211.	1.9	2
4	Modeling dry^{TM} OCP measurements to characterize archaeological iron corrosion I: Long-time transients. <i>Journal of Electroanalytical Chemistry</i> , 2022, 913, 116210.	1.9	2
5	Presence of Phylloquinone in the Intraerythrocytic Stages of <i>Plasmodium falciparum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 869085.	1.8	2
6	Electrochemical methods to discriminate technology and provenance of Apulian red-figured pottery. I. VIMP and SECM. <i>Archaeometry</i> , 2022, 64, 1325-1339.	0.6	1
7	Parts-per-million of ruthenium catalyze the selective chain-walking reaction of terminal alkenes. <i>Nature Communications</i> , 2022, 13, .	5.8	8
8	Description of Solid-to-Solid Redox Processes Based on the Voltammetry of Immobilized Particles Methodology: A Logistic Approximation. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11822-11832.	1.5	8
9	Multiple-scan voltammetry of immobilized particles of ancient copper/bronze coins. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 195-206.	1.2	10
10	In vivo Electrochemical Monitoring of Signaling Transduction of Plant Defense Against Stress in Leaves of <i>Aloe vera</i> L.. <i>Electroanalysis</i> , 2021, 33, 1024-1032.	1.5	7
11	Electrochemistry in Archaeology and Art Conservation. <i>Israel Journal of Chemistry</i> , 2021, 61, 113-119.	1.0	6
12	Independent friction-restitution approach to analyze anomalies in normal kinematic restitution in oblique impact. <i>Mechanics Research Communications</i> , 2021, 113, 103699.	1.0	4
13	dry^{TM} electrochemistry: A non-invasive approach to the characterization of archaeological iron objects. <i>Electrochemistry Communications</i> , 2021, 125, 106992.	2.3	8
14	The evolution of COVID-19: A discontinuous approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 568, 125752.	1.2	6
15	Independent friction-restitution modeling of two-disk collisions. <i>Physics of Fluids</i> , 2021, 33, .	1.6	3
16	Acid Catalysis with Alkane/Water Microdroplets in Ionic Liquids. <i>Jacs Au</i> , 2021, 1, 786-794.	3.6	12
17	Multiple-scan voltammetry and OCP: Archaeometric tools for dating archaeological bronzes. <i>Journal of Electroanalytical Chemistry</i> , 2021, 893, 115336.	1.9	6
18	Electrochemical analysis of coffin portraits from the National Museum in Krakow. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2767-2776.	1.2	2

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19	Electrochemistry of plants: basic theoretical research and applications in plant science. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2747-2757.	1.2	5
20	Asymptotic modeling of electrochemical signaling: Testing Zn in urine for non-invasive bladder cancer diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130646.	4.0	2
21	Isomerization and Redox Tuning: Reorganizing the Maya Blue Puzzle from Synthetic, Spectral, and Electrochemical Issues. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26188-26200.	1.5	2
22	Organic Matter Redox State Driven by Specific Sources in Mangrove Sediments: A Case Study from Peruvian Ecosystems. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1438.	1.2	0
23	Solid-state electrochemical characterization of emissions and authorities producing Roman brass coins. <i>Microchemical Journal</i> , 2020, 152, 104306.	2.3	12
24	Discrimination and Provenances of Phoenician Red Slip Ware Using both the Solid State Electrochemistry and Petrographic Analyses. <i>Electroanalysis</i> , 2020, 32, 258-270.	1.5	10
25	Analysis of microsphere oblique impact with planar surfaces based on the independent friction-restitution approach. <i>Journal of Aerosol Science</i> , 2020, 140, 105482.	1.8	5
26	Cation and anion electrochemically assisted solid-state transformations of malachite green. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1502-1510.	1.3	5
27	An innovative multi-analytical approach based on spectroscopic and electrochemical techniques to study a complex Roman amphorae collection. <i>Applied Clay Science</i> , 2020, 198, 105857.	2.6	6
28	Characterization of traditional artificial patinas on copper using the voltammetry of immobilized particles. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114494.	1.9	12
29	Superior Electrocatalytic Activity of MoS ₂ -Graphene as Superlattice. <i>Nanomaterials</i> , 2020, 10, 839.	1.9	11
30	Fritz Scholz's tribute on the occasion of his 65th birthday. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2561-2563.	1.2	0
31	Chemical and electrochemical behaviour of 4,4'-tetrakis(dimethylamino)-tetraphenylethylene in an oxidant environment: Toward a new sensor for NO ₂ and SO ₂ in gas phase. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127929.	4.0	1
32	Few-layer Black Phosphorous Catalyzes Radical Additions to Alkenes Faster than Low-valence Metals. <i>ChemCatChem</i> , 2020, 12, 2226-2232.	1.8	14
33	Electrochemical dating of archaeological gold based on refined peak current determinations and Tafel analysis. <i>Electrochimica Acta</i> , 2020, 337, 135759.	2.6	5
34	Voltammetry of immobilized particles for the future. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2063-2065.	1.2	7
35	ATR-FTIR and XRD quantification of solid mixtures using the asymptotic constant ratio (ACR) methods. Application to geological samples of sodium and potassium feldspars. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 236, 118328.	2.0	6
36	Biomedical application of VIMP: screening of malignant cells in the prostate. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2853-2860.	1.2	2

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37	Electrochemical assessment of pigments-binding medium interactions in oil paint deterioration: a case study on indigo and Prussian blue. <i>Heritage Science</i> , 2020, 8, .	1.0	10
38	Effect of high levels of CO ₂ on the electrochemical behavior and the enzymatic and non-enzymatic antioxidant systems in black and white table grapes stored at 0 °C. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 6859-6867.	1.7	14
39	Electrochemical monitoring of ROS influence on seedlings and germination response to salinity stress of three species of the tribe Inuleae. <i>RSC Advances</i> , 2019, 9, 17856-17867.	1.7	11
40	Correlation between lead isotope analysis and solid-state electrochemistry for determining the provenance of archaeological bronze. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2803-2812.	1.2	4
41	Discrimination of papers used in conservation and restoration by the means of the voltammetry of immobilized microparticles technique. <i>Analytical Methods</i> , 2019, 11, 4431-4439.	1.3	7
42	A reliable procedure for the preparation of graphene-boron nitride superlattices as large area (cm ²) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Nanoscale, 2019, 11, 2981-2990.	2.8	9
43	Uniform nanoporous graphene sponge from natural polysaccharides as a metal-free electrocatalyst for hydrogen generation. <i>RSC Advances</i> , 2019, 9, 99-106.	1.7	20
44	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 10350-10360.	6.6	50
45	Microchemical surface analysis of historic copper-based coins by the combined use of FIB-FESEM-EDX, OM, FTIR spectroscopy and solid-state electrochemical techniques. <i>Microchemical Journal</i> , 2019, 148, 573-581.	2.3	25
46	Analysis of rolling friction effects on oblique rebound by redefining tangential restitution and friction. <i>Physics of Fluids</i> , 2019, 31, .	1.6	7
47	Screening of Iberian Coinage in the 2 nd - 1 st BCE Period Using the Voltammetry of Immobilized Particles. <i>Electroanalysis</i> , 2019, 31, 1164-1173.	1.5	9
48	Solid-state electrochemical analysis of Inka pottery from Qotakalli archeological site in the Cusco (Perú) area. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1541-1552.	1.2	11
49	Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters. <i>Nature Communications</i> , 2019, 10, 509.	5.8	61
50	Polystyrene as Graphene Film and 3D Graphene Sponge Precursor. <i>Nanomaterials</i> , 2019, 9, 101.	1.9	14
51	Biosynthesis of heme O in intraerythrocytic stages of Plasmodium falciparum and potential inhibitors of this pathway. <i>Scientific Reports</i> , 2019, 9, 19261.	1.6	7
52	3D defective graphenes with subnanometric porosity obtained by soft-templating following zeolite procedures. <i>Nanoscale Advances</i> , 2019, 1, 4827-4833.	2.2	5
53	A step forward in the development of superoxide dismutase mimetic nanozymes: the effect of the charge of the surface on antioxidant activity. <i>RSC Advances</i> , 2019, 9, 41549-41560.	1.7	5
54	Crossing VIMP and EIS for studying heterogeneous sets of copper/bronze coins. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 771-781.	1.2	12

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55	Electrochemical characterization of mangrove sediments: A proposal of new proxies for organic matter oxidation. <i>Applied Geochemistry</i> , 2019, 101, 42-49.	1.4	2
56	Electrochemical Age Determinations of Metallic Specimens—Utilization of the Corrosion Clock. <i>Accounts of Chemical Research</i> , 2019, 52, 400-406.	7.6	25
57	Supramolecular Construction of Cyanide-Bridged Rel Diimine Multichromophores. <i>Inorganic Chemistry</i> , 2019, 58, 1988-2000.	1.9	12
58	Composition and Color of Maya Blue: Reexamination of Literature Data Based On the Dehydroindigo Model. <i>Journal of Physical Chemistry C</i> , 2019, 123, 770-782.	1.5	18
59	Electrochemical identification of painters/workshops: The case of Valencian Renaissance-Baroque painters (ca. 1550- ca. 1670). <i>Electrochimica Acta</i> , 2019, 297, 685-695.	2.6	7
60	Hyperbolic subtraction method: Determination of the concentration of an analyte in the presence of an unknown interferent via spectral data. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 208, 206-213.	2.0	2
61	The Thermodynamics of Insertion Electrochemical Electrodes—A Team Play of Electrons and Ions across Two Separate Interfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3279-3284.	7.2	24
62	Dating Archaeological Strata in the Magna Mater Temple Using Solid-State Voltammetric Analysis of Leaded Bronze Coins. <i>Electroanalysis</i> , 2018, 30, 361-370.	1.5	20
63	Electrochemical analysis of gold embroidery threads from archeological textiles. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2205-2215.	1.2	6
64	Nanolayered Cobalt-Molybdenum Sulfides as Highly Chemo- and Regioselective Catalysts for the Hydrogenation of Quinoline Derivatives. <i>ACS Catalysis</i> , 2018, 8, 4545-4557.	5.5	78
65	Dating of Archaeological Gold by Means of Solid State Electrochemistry. <i>ChemElectroChem</i> , 2018, 5, 2113-2117.	1.7	15
66	Polythiophenes as markers of asphalt and archaeological tar pitch aging. Characterization using solid-state electrochemistry. <i>Electrochemistry Communications</i> , 2018, 87, 18-21.	2.3	7
67	Electrochemical Analysis of Catalytic and Oxygen Interfacial Transfer Effects on MnO ₂ Deposited on Gold Electrodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10939-10947.	1.5	8
68	Evaluation of aging processes of petroleum asphalt cements by solid state electrochemical monitoring. <i>Electrochimica Acta</i> , 2018, 270, 461-470.	2.6	15
69	Electrochemical detection and screening of bladder cancer recurrence using direct electrochemical analysis of urine: A non-invasive tool for diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 346-354.	4.0	10
70	Electrochemical identification of toxigenic fungal species using solid-state voltammetry strategies. <i>Food Chemistry</i> , 2018, 267, 91-100.	4.2	16
71	Methylation as an effective way to generate SOD-activity in copper complexes of scorpion-like azamacrocyclic receptors. <i>Inorganica Chimica Acta</i> , 2018, 472, 139-148.	1.2	4
72	An electrochemical analysis suggests role of gynodioecy in adaptation to stress in <i>Cortaderia selloana</i> . <i>Current Plant Biology</i> , 2018, 16, 9-14.	2.3	13

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73	Electrochemical discrimination of manufacturing types of pottery from Magna Mater Temple and Fora of Nerva and Caesar (Rome, Italy). <i>Applied Clay Science</i> , 2018, 162, 305-310.	2.6	13
74	FIB-FESEM and EMPA results on Antoninianus silver coins for manufacturing and corrosion processes. <i>Scientific Reports</i> , 2018, 8, 10676.	1.6	30
75	Coordination Chemistry of Cu ²⁺ Complexes of Small N-Alkylated Tetra-azacyclophanes with SOD Activity. <i>Inorganic Chemistry</i> , 2018, 57, 10961-10973.	1.9	16
76	Electroanalytical techniques in archaeological and art conservation. <i>Pure and Applied Chemistry</i> , 2018, 90, 447-461.	0.9	26
77	Bioelectrochemical monitoring of soluble guanylate cyclase inhibition by the natural β^2 -carboline canthin-6-one. <i>Journal of Molecular Structure</i> , 2017, 1134, 661-667.	1.8	3
78	Electrochemical analysis of gildings in Valencia altarpieces: a cross-age study since fifteenth until twentieth century. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1477-1487.	1.2	14
79	Quantification of minerals from ATR-FTIR spectra with spectral interferences using the MRC method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 181, 7-12.	2.0	33
80	Access to Phylogeny from Voltammetric Fingerprints of Seeds: the <i>Asparagus</i> Case. <i>Electroanalysis</i> , 2017, 29, 643-650.	1.5	27
81	Electrochemical dating: a review. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1987-1998.	1.2	17
82	Detecting and Monitoring the Production of Melatonin and Other Related Indole Compounds in Different <i>Saccharomyces</i> Strains by Solid-State Electrochemical Techniques. <i>Food Analytical Methods</i> , 2017, 10, 1408-1418.	1.3	12
83	Characterizing archaeological bronze corrosion products intersecting electrochemical impedance measurements with voltammetry of immobilized particles. <i>Electrochimica Acta</i> , 2017, 246, 269-279.	2.6	16
84	Electrochemical discrimination of mints: The last Chinese emperors Kuang Hsü and Hsüan T'ung monetary unification. <i>Talanta</i> , 2017, 169, 50-56.	2.9	28
85	Identification of vegetal species in wooden objects using in situ microextraction-assisted voltammetry of microparticles. <i>Analytical Methods</i> , 2017, 9, 2041-2048.	1.3	14
86	Phytoelectrochemical analysis of <i>Zanthoxylum chiloperone</i> . <i>Phytochemical Analysis</i> , 2017, 28, 171-175.	1.2	12
87	Archaeometric analysis of Roman bronze coins from the Magna Mater temple using solid-state voltammetry and electrochemical impedance spectroscopy. <i>Analytica Chimica Acta</i> , 2017, 955, 36-47.	2.6	45
88	Electrochemical characterization of natural gold samples using the voltammetry of immobilized particles. <i>Electrochemistry Communications</i> , 2017, 85, 23-26.	2.3	5
89	Homo- and Heterobinuclear Cu ²⁺ and Zn ²⁺ Complexes of Ditopic Aza Scorpiand Ligands as Superoxide Dismutase Mimics. <i>Inorganic Chemistry</i> , 2017, 56, 13748-13758.	1.9	19
90	Electrochemical monitoring of ROS generation by anticancer agents: the case of chartreusin. <i>RSC Advances</i> , 2017, 7, 45200-45210.	1.7	8

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91	Solid state electrochemical behavior of organosulfur compounds. Journal of Electroanalytical Chemistry, 2017, 806, 180-190.	1.9	19
92	Electrochemical Characterization of Coinage Techniques the 17 th Century: The Case. Electroanalysis, 2017, 29, 2008-2018.	1.5	20
93	Raman spectroscopy characterization of 10 th century productions from the late Chinese emperors to the Republic. Journal of Raman Spectroscopy, 2017, 48, 1337-1345.	1.2	13
94	Analyzing chemical changes in verdigris pictorial specimens upon bacteria and fungi biodeterioration using voltammetry of microparticles. Heritage Science, 2017, 5, .	1.0	13
95	Electrochemical analysis of the first Polish coins using voltammetry of immobilized particles. Microchemical Journal, 2017, 130, 47-55.	2.3	21
96	Insight into the Mechanism of Action of Marine Cytotoxic Thiazinoquinones. Marine Drugs, 2017, 15, 335.	2.2	11
97	Electrochemical Characterization of Corrosion Products in Leaded Bronze Sculptures Considering Ohmic Drop Effects on Tafel Analysis. Electroanalysis, 2016, 28, 833-845.	1.5	23
98	Electrochemical Fingerprint of Archeological Lead Silicate Glasses Using the Voltammetry of Microparticles Approach. Journal of the American Ceramic Society, 2016, 99, 3915-3923.	1.9	14
99	Bisferrocenyl-functionalized pseudopeptides: access to separated ionic and electronic contributions for electrochemical anion sensing. RSC Advances, 2016, 6, 35257-35266.	1.7	9
100	Oxidative stress protection by manganese complexes of tail-tied aza-scorpionid ligands. Journal of Inorganic Biochemistry, 2016, 163, 230-239.	1.5	10
101	Electrochemical characterization of biodeterioration of paint films containing cadmium yellow pigment. Journal of Solid State Electrochemistry, 2016, 20, 3287-3302.	1.2	9
102	Voltammetric analysis of Pinus needles with physiological, phylogenetic, and forensic applications. Analytical and Bioanalytical Chemistry, 2016, 408, 4943-4952.	1.9	15
103	On-line database of voltammetric data of immobilized particles for identifying pigments and minerals in archaeometry, conservation and restoration (ELCHER database). Analytica Chimica Acta, 2016, 927, 1-12.	2.6	17
104	Transmembrane electrochemistry of erythrocytes: Direct electrochemical test for detecting hemolysis in whole blood. Sensors and Actuators B: Chemical, 2016, 226, 419-428.	4.0	14
105	Separation of the ionic and electronic contributions to the overall thermodynamics of the insertion electrochemistry of some solid Au(I) complexes. Journal of Solid State Electrochemistry, 2016, 20, 673-681.	1.2	9
106	On the independence of friction and restitution: an operational approach. Granular Matter, 2016, 18, 1.	1.1	9
107	Electrochemical ecology: VIMP monitoring of plant defense against external stressors. RSC Advances, 2015, 5, 61006-61011.	1.7	18
108	Application of the Generalized Molar Ratio Method to the Determination of the Stoichiometry and Apparent Binding Constant of Nanoparticle-Organic Capping Systems. Electroanalysis, 2015, 27, 2302-2312.	1.5	3

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109	Bone-targeted Cisplatin-Complexed Poly(³ benzyl-L-glutamate)-Poly(glutamic acid) Block Polymer Nanoparticles: An Electrochemical Approach. <i>ChemElectroChem</i> , 2015, 2, 748-754.	1.7	3
110	Harvesting canthinones: identification of the optimal seasonal point of harvest of <i>Zanthoxylum chiloperone</i> leaves as a source of 5-methoxycanthin-6-one. <i>Natural Product Research</i> , 2015, 29, 2054-2058.	1.0	11
111	Immobilized Droplets. , 2015, , 225-295.		1
112	Hyphenated Techniques. , 2015, , 33-80.		1
113	Immobilized Particles. , 2015, , 81-224.		0
114	Dating: an analytical task. <i>ChemTexts</i> , 2015, 1, 1.	1.0	18
115	Screening and mapping of pigments in paintings using scanning electrochemical microscopy (SECM). <i>Analyst</i> , 2015, 140, 1065-1075.	1.7	14
116	Theoretical scenarios for the electrochemistry of porous silicate-based materials: an overview. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1887-1903.	1.2	16
117	Screening and authentication of tea varieties based on microextraction-assisted voltammetry of microparticles. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 491-499.	4.0	32
118	Electrochemistry-based chemotaxonomy in plants using the voltammetry of microparticles methodology. <i>New Journal of Chemistry</i> , 2015, 39, 7421-7428.	1.4	43
119	Electrochemistry supported by zeolites, clays, layered double hydroxides, ordered mesoporous (organo)silicas, and related materials. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1885-1886.	1.2	1
120	Screening and authentication of herbal formulations based on microextraction-assisted voltammetry of microparticles. <i>Analytical Methods</i> , 2015, 7, 5740-5747.	1.3	16
121	Unique distal size selectivity with a digold catalyst during alkyne homocoupling. <i>Nature Communications</i> , 2015, 6, 6703.	5.8	51
122	Contact probe voltammetry for in situ monitoring of the reactivity of phenolic tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	2.9	24
123	Detection of archaeological forgeries of Iberian lead plates using nanoelectrochemical techniques. The lot of fake plates from Bugarra (Spain). <i>Forensic Science International</i> , 2015, 247, 79-88.	1.3	12
124	Electrochemistry of Immobilized Particles and Droplets. , 2015, , .		69
125	Mn(II) complexes of scorpiand-like ligands. A model for the MnSOD active centre with high in vitro and in vivo activity. <i>Journal of Inorganic Biochemistry</i> , 2015, 143, 1-8.	1.5	34
126	Electrochemical tomato (<i>Solanum lycopersicum</i> L.) characterisation using contact probe in situ voltammetry. <i>Food Chemistry</i> , 2015, 172, 318-325.	4.2	35

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127	Isomerization and redox tuning in "Maya yellow"™ hybrids from flavonoid dyes plus palygorskite and kaolinite clays. <i>Microporous and Mesoporous Materials</i> , 2014, 194, 135-145.	2.2	14
128	Discovery of indigoid-containing clay pellets from La Blanca: significance with regard to the preparation and use of Maya Blue. <i>Journal of Archaeological Science</i> , 2014, 41, 147-155.	1.2	16
129	Structural stability and electrochemical properties of Gd-doped ZrO ₂ nanoparticles prepared by sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 137-147.	1.1	12
130	Monitoring stabilizing procedures of archaeological iron using electrochemical impedance spectroscopy. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 399-409.	1.2	29
131	Determination of the depth profile distribution of guest species in microporous materials using the voltammetry of immobilized particles methodology: application to lapachol attachment to palygorskite and kaolinite. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19024-19034.	1.3	2
132	Electrochemistry of Iron-Doped Zircon and Zirconia Materials and Electrocatalytic Effects on Nitrite Oxidation and Reduction. <i>Journal of the Electrochemical Society</i> , 2014, 161, H539-H546.	1.3	1
133	Voltammetric/amperometric screening of compounds of pharmacological interest. <i>Reviews in Analytical Chemistry</i> , 2014, 33, .	1.5	15
134	Contact probe electrochemical characterization and metal speciation of silver LLDPE nanocomposite films. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2099-2110.	1.2	4
135	On the tangential restitution problem: independent friction-restitution modeling. <i>Granular Matter</i> , 2014, 16, 573-582.	1.1	13
136	Voltammetry of microparticles, scanning electrochemical microscopy and scanning tunneling microscopy applied to the study of dsDNA binding and damage by scorpion-like polyamine receptors. <i>Journal of Electroanalytical Chemistry</i> , 2014, 720-721, 24-33.	1.9	3
137	Dating Archaeological Copper/Bronze Artifacts by Using the Voltammetry of Microparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9262-9266.	7.2	47
138	Identification of indigoid compounds present in archaeological Maya blue by pyrolysis-silylation-gas chromatography-mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 105, 355-362.	2.6	11
139	dsDNA, ssDNA, G-quadruplex DNA, and nucleosomal DNA electrochemical screening using canthin-6-one alkaloid-modified electrodes. <i>Electrochimica Acta</i> , 2014, 115, 546-552.	2.6	23
140	Ferrocenyl-Functionalized Tetranuclear Gold(I) and Gold(I)-Copper(I) Complexes Based on Tridentate Phosphanes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, n/a-n/a.	1.0	12
141	On the dehydroindigo contribution to Maya Blue. <i>Journal of Materials Science</i> , 2013, 48, 7171-7183.	1.7	34
142	"Maya chemistry"™ of organic-inorganic hybrid materials: isomerization, cyclicization and redox tuning of organic dyes attached to porous silicates. <i>RSC Advances</i> , 2013, 3, 20099.	1.7	14
143	Homo- and heterobinuclear Cu ²⁺ and Zn ²⁺ complexes of abiotic cyclic hexaazapyridinocyclophanes as SOD mimics. <i>Dalton Transactions</i> , 2013, 42, 11194.	1.6	24
144	Tunability by alkali metal cations of photoinduced charge separation in azacrown functionalized graphene. <i>Chemical Communications</i> , 2013, 49, 3236.	2.2	27

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145	Redox Tuning and Species Distribution in Maya Blue-Type Materials: A Reassessment. ACS Applied Materials & Interfaces, 2013, 5, 8134-8145.	4.0	24
146	Screening of pharmacologic adulterant classes in herbal formulations using voltammetry of microparticles. Journal of Pharmaceutical and Biomedical Analysis, 2013, 74, 194-204.	1.4	41
147	Analysis of oblique rebound using a redefinition of the coefficient of tangential restitution coefficient. Mechanics Research Communications, 2013, 54, 35-40.	1.0	17
148	Solid-State Electrochemical Assay of Heme-Binding Molecules for Screening of Drugs with Antimalarial Potential. Analytical Chemistry, 2013, 85, 4014-4021.	3.2	21
149	Standard additions-dilution method for absolute quantification in voltammetry of microparticles. Application for determining psychoactive 1,4-benzodiazepine and antidepressants drugs as adulterants in phytotherapeutic formulations. Journal of Pharmaceutical and Biomedical Analysis, 2013, 80, 159-163.	1.4	17
150	Mapping of corrosion products of highly altered archeological iron using voltammetry of microparticles. Microchemical Journal, 2013, 106, 41-50.	2.3	29
151	Application of solid-state electrochemistry techniques to polyfunctional organic-inorganic hybrid materials: The Maya Blue problem. Microporous and Mesoporous Materials, 2013, 166, 123-130.	2.2	25
152	Electrochemical Characterization of Egyptian Blue Pigment in Wall Paintings Using the Voltammetry of Microparticles Methodology. Electroanalysis, 2013, 25, 2621-2630.	1.5	13
153	Electroanalytical chemistry for the analysis of solids: Characterization and classification (IUPAC) Tj ETQq1 1 0.784314 rgBT / Overlock 148	0.9	148
154	Square wave voltammetric determination of the redox state of a reversibly oxidized/reduced depolarizer in solution and in solid state. Journal of Electroanalytical Chemistry, 2012, 684, 13-19.	1.9	20
155	Solvent-Independent Electrode Potentials of Solids Undergoing Insertion Electrochemical Reactions: Part III. Experimental Data for Prussian Blue Undergoing Electron Exchange Coupled to Cation Exchange. Journal of Physical Chemistry C, 2012, 116, 25993-25999.	1.5	10
156	Solvent-Independent Electrode Potentials of Solids Undergoing Insertion Electrochemical Reactions: Part II. Experimental Data for Alkynyl-diphosphine Dinuclear Au(I) Complexes Undergoing Electron Exchange Coupled to Anion Exchange. Journal of Physical Chemistry C, 2012, 116, 25984-25992.	1.5	11
157	Solvent-Independent Electrode Potentials of Solids Undergoing Insertion Electrochemical Reactions: Part I. Theory. Journal of Physical Chemistry C, 2012, 116, 25977-25983.	1.5	17
158	Modeling Corrosion of Archaeological Silver-Copper Coins Using the Voltammetry of Immobilized Particles. Electroanalysis, 2012, 24, 1945-1955.	1.5	36
159	Potential Application of Voltammetry of Microparticles for Dating Porcine Blood-based Binding Media used in Taiwanese Architectural Polychromies. Chemistry - an Asian Journal, 2012, 7, 2268-2273.	1.7	10
160	Electrochemical characterization of praseodymium centers in Pr x Zr 1-x O2 zirconias using electrocatalysis and photoelectrocatalysis. Journal of Solid State Electrochemistry, 2012, 16, 963-975.	1.2	15
161	Application of the voltammetry of microparticles for dating archaeological lead using polarization curves and electrochemical impedance spectroscopy. Journal of Solid State Electrochemistry, 2012, 16, 2349-2356.	1.2	45
162	Electrochemical monitoring of the oxidative coupling of alkynes catalyzed by triphenylphosphine gold complexes. Electrochemistry Communications, 2012, 19, 145-148.	2.3	11

#	ARTICLE	IF	CITATIONS
163	Study of solid state kinetics using voltammetry of immobilized particles. Application to tetragonal to monoclinic transition in nanoparticulate zirconia and praseodymia-doped zirconia. <i>Electrochimica Acta</i> , 2012, 67, 24-32.	2.6	8
164	Insights into the Maya Blue Technology: Greenish Pellets from the Ancient City of La Blanca. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 700-703.	7.2	43
165	Manganese(ii) complexes of scorpion-like azamacrocycles as MnSOD mimics. <i>Chemical Communications</i> , 2011, 47, 5988.	2.2	35
166	Dating Archeological Lead Artifacts from Measurement of the Corrosion Content Using the Voltammetry of Microparticles. <i>Analytical Chemistry</i> , 2011, 83, 5639-5644.	3.2	63
167	Determination of Individual Gibbs Energies of Anion Transfer and Excess Gibbs Energies Using an Electrochemical Method Based on Insertion Electrochemistry of Solid Compounds. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 4577-4586.	1.0	9
168	Tracing, authenticating and dating archaeological metal using the voltammetry of microparticles. <i>Analytical Methods</i> , 2011, 3, 2181.	1.3	33
169	On the interpretation of the Raman spectra of Maya Blue: a review on the literature data. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 86-96.	1.2	42
170	“One-Touch” Voltammetry of Microparticles for the Identification of Corrosion Products in Archaeological Lead. <i>Electroanalysis</i> , 2011, 23, 1391-1400.	1.5	45
171	Application of Modified Tafel Analysis to the Identification of Corrosion Products on Archaeological Metals Using Voltammetry of Microparticles. <i>Electroanalysis</i> , 2011, 23, 2803-2812.	1.5	37
172	From Maya Blue to “Maya Yellow”: A Connection between Ancient Nanostructured Materials from the Voltammetry of Microparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5741-5744.	7.2	53
173	Electrochemical characterization of praseodymia doped zircon. Catalytic effect on the electrochemical reduction of molecular oxygen in polar organic solvents. <i>Electrochimica Acta</i> , 2011, 56, 7104-7111.	2.6	4
174	Estimation of free energies of anion transfer from solid-state electrochemistry of alkynyl-based Au(I) dinuclear and Au(I)-Cu(I) cluster complexes containing ferrocenyl groups. <i>Electrochemistry Communications</i> , 2011, 13, 96-98.	2.3	17
175	Estimation of individual Gibbs energies of cation transfer employing the insertion electrochemistry of solid Prussian blue. <i>Journal of Electroanalytical Chemistry</i> , 2011, 657, 117-122.	1.9	17
176	Electrochemical anion sensing using electrodes chemically modified with Au(I)-Cu(I) heterotrimetallic alkynyl cluster complexes containing ferrocenyl groups. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2013-2022.	1.9	18
177	Voltammetric methods applied to identification, speciation, and quantification of analytes from works of art: an overview. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 363-379.	1.2	48
178	Identification of naphthoquinonic and anthraquinonic dyes via sequential potential steps applied to the voltammetry of microparticles methodology. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 465-477.	1.2	17
179	Electrochemical criteria for evaluating conservative treatments applied to contemporary metallic sculpture. A case study. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 437-447.	1.2	12
180	Electrochemistry for conservation science. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 349-351.	1.2	26

#	ARTICLE	IF	CITATIONS
181	Solid-State Electrochemical Method for Determining Core and Shell Size in Pd@PdO Nanoparticles. <i>Electroanalysis</i> , 2010, 22, 293-302.	1.5	11
182	Layer-by-layer identification of copper alteration products in metallic works of art using the voltammetry of microparticles. <i>Analytica Chimica Acta</i> , 2010, 680, 1-9.	2.6	46
183	Sequential identification of organic dyes using the voltammetry of microparticles approach. <i>Talanta</i> , 2010, 81, 404-411.	2.9	34
184	Electrochemically assisted anion insertion in Au(I)-Cu(I) heterotrimetallic clusters bearing ferrocenyl groups: Application to the fluoride/chloride discrimination in aqueous media. <i>Electrochemistry Communications</i> , 2010, 12, 206-209.	2.3	15
185	Selective electrochemical discrimination between dopamine and phenethylamine-derived psychotropic drugs using electrodes modified with an acyclic receptor containing two terminal 3-alkoxy-5-nitroindazole rings. <i>Analyst</i> , 2010, 135, 1449.	1.7	13
186	Comparative study of different indigo-clay Maya Blue-like systems using the voltammetry of microparticles approach. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 869-878.	1.2	55
187	Evidence of Topological Indigo/Dehydroindigo Isomers in Maya Blue-Like Complexes Prepared from Palygorskite and Sepiolite. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12118-12131.	1.5	62
188	Synthesis, electrochemical and theoretical studies of the Au(i)-Cu(i) heterometallic clusters bearing ferrocenyl groups. <i>Dalton Transactions</i> , 2009, , 8392.	1.6	19
189	Maya Blue as a nanostructured polyfunctional hybrid organic-inorganic material: the need to change paradigms. <i>New Journal of Chemistry</i> , 2009, 33, 2371.	1.4	95
190	Identification of Species by Electrochemical Methods. <i>Monographs in Electrochemistry</i> , 2009, , 33-64.	0.2	1
191	Electrochemical identification of bronze corrosion products in archaeological artefacts. A case study. <i>Mikrochimica Acta</i> , 2008, 162, 351-359.	2.5	57
192	Solid-state electrochemistry of LDH-supported polyaniline hybrid inorganic-organic material. <i>Journal of Electroanalytical Chemistry</i> , 2008, 624, 275-286.	1.9	13
193	In situ AFM study of proton-assisted electrochemical oxidation/reduction of microparticles of organic dyes. <i>Electrochemistry Communications</i> , 2008, 10, 1238-1241.	2.3	26
194	Non-smooth modelling of billiard- and superbilliard-ball collisions. <i>International Journal of Mechanical Sciences</i> , 2008, 50, 752-763.	3.6	9
195	Diazatetraester 1 <i>H</i> -Pyrazole Crowns as Fluorescent Chemosensors for AMPH, METH, MDMA (Ecstasy), and Dopamine. <i>Organic Letters</i> , 2008, 10, 5099-5102.	2.4	24
196	Electrochemically-driven conformational shift in mono- and di-copper constrained macrotricyclic cyclen receptors. <i>Dalton Transactions</i> , 2008, , 3169.	1.6	5
197	Quantitation from Tafel Analysis in Solid-State Voltammetry. Application to the Study of Cobalt and Copper Pigments in Severely Damaged Frescoes. <i>Analytical Chemistry</i> , 2008, 80, 2704-2716.	3.2	40
198	Identification of lead pigments in nanosamples from ancient paintings and polychromed sculptures using voltammetry of nanoparticles/atomic force microscopy. <i>Talanta</i> , 2007, 71, 1569-1579.	2.9	42

#	ARTICLE	IF	CITATIONS
199	Microheterogeneous Electrocatalytic Chiral Recognition at Monoclinic Vanadium-Doped Zirconias: An Enantioselective Detection of Glucose. <i>Analytical Chemistry</i> , 2007, 79, 6742-6751.	3.2	25
200	Electrochemistry of Metal-Organic Frameworks: A Description from the Voltammetry of Microparticles Approach. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13701-13711.	1.5	115
201	Chemometric Study of Maya Blue from the Voltammetry of Microparticles Approach. <i>Analytical Chemistry</i> , 2007, 79, 2812-2821.	3.2	65
202	Indigo/Dehydroindigo/Palygorskite Complex in Maya Blue: An Electrochemical Approach. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4585-4595.	1.5	57
203	Identification of Earth Pigments by Applying Hierarchical Cluster Analysis to Solid State Voltammetry. Application to Severely Damaged Frescoes. <i>Electroanalysis</i> , 2007, 19, 1890-1900.	1.5	25
204	Electrochemical monitoring of indigo preparation using Maya's ancient procedures. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1335-1346.	1.2	46
205	Tramways Revisited: An analysis of the role of tramways in urban transportation during the twentieth century. <i>Geography</i> , 2007, 92, 107-117.	0.2	1
206	Electrochemistry of copper complexes with macrocyclic polyamines containing pyrazole units. <i>Dalton Transactions</i> , 2006, , 4926-4935.	1.6	5
207	The Sodium Salt of Diethyl 1H-pyrazole-3,5-dicarboxylate as an Efficient Amphiphilic Receptor for Dopamine and Amphetamines. Crystal Structure and Solution Studies. <i>Journal of the American Chemical Society</i> , 2006, 128, 16458-16459.	6.6	33
208	Dehydroindigo: A New Piece into the Maya Blue Puzzle from the Voltammetry of Microparticles Approach. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6027-6039.	1.2	100
209	Electrolyte-driven electrochemical amplification by poly(thienylacetylene) encapsulated within Zeolite Y. <i>Electrochemistry Communications</i> , 2006, 8, 1335-1339.	2.3	3
210	Electrochemistry nanometric patterning of MOF particles: Anisotropic metal electrodeposition in Cu/MOF. <i>Electrochemistry Communications</i> , 2006, 8, 1830-1834.	2.3	41
211	Modelling electrocatalysis of hydroquinone oxidation by nicotinamide adenine dinucleotide coenzyme encapsulated within SBA-15 and MCM-41 mesoporous aluminosilicates. <i>Electrochimica Acta</i> , 2006, 51, 4897-4908.	2.6	13
212	Synthesis and Cu(II) coordination of two new hexamines containing alternated propylenic and ethylenic chains: Kinetic studies on pH-driven metal ion slippage movements. <i>Inorganica Chimica Acta</i> , 2006, 359, 2004-2014.	1.2	12
213	4,4'-Substituted biphenyl coronands. Preparation of a new selective fluorescent sensor for mercury salts. <i>Tetrahedron</i> , 2006, 62, 11972-11978.	1.0	11
214	A Study on Corrosion Processes of Archaeological Glass from the Valencian Region (Spain) and its Consolidation Treatment. <i>Mikrochimica Acta</i> , 2006, 154, 123-142.	2.5	51
215	Chronoamperometric study of proton transfer/electron transfer in solid state electrochemistry of organic dyes. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 949-958.	1.2	39
216	Electrochemical Detection of High Oxidation States of Chromium(IV and V) in Chromium-Doped Cassiterite and Tin-Sphene Ceramic Pigmenting Systems. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 638-648.	1.0	25

#	ARTICLE	IF	CITATIONS
217	Electro- and magneto-electrochemistry of zeolite Y- and MCM-41-associated bipyrylium ion. <i>Journal of Electroanalytical Chemistry</i> , 2005, 577, 249-262.	1.9	6
218	Identification of Curcuma and Safflower Dyes by Voltammetry of Microparticles Using Paraffin-Impregnated Graphite Electrodes. <i>Mikrochimica Acta</i> , 2005, 152, 75-84.	2.5	17
219	A classical experiment revisited: The bounce of balls and superballs in three dimensions. <i>American Journal of Physics</i> , 2005, 73, 28-36.	0.3	16
220	Electrochemical characterization of cobalt cordierites attached to paraffin-impregnated graphite electrodes. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 127-137.	1.2	11
221	Electrocatalysis of the oxidation of methylenedioxyamphetamines at electrodes modified with cerium-doped zirconias. <i>Electrochemistry Communications</i> , 2004, 6, 719-723.	2.3	14
222	Magnetochemical modulation of pre-organization processes in a 4,4'-dinitrophenyl azacrown macrocyclic lactam. <i>Electrochemistry Communications</i> , 2004, 6, 908-912.	2.3	3
223	Electrochemistry of vanadium-doped ZrSiO ₄ . <i>Electrochimica Acta</i> , 2004, 49, 4623-4632.	2.6	2
224	Model for Solid State Voltammetry of Zeolite-Associated Species. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20471-20478.	1.2	30
225	Electrochemistry of 6-Nitro-1,3,3-trimethylspiro[2H-1-benzopyran-2,2'-indoline] Associated with Zeolite Y and MCM-41 Silicates. Light-Driven Site-Selective Electrocatalytic Effect on N,N,N',N'-Tetramethylbenzidine Oxidation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20064-20075.	1.2	24
226	Study of Redox Processes in Zeolite Y-Associated 2,4,6-Triphenylthiopyrylium Ion by Square Wave Voltammetry. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3040-3050.	1.2	27
227	Vanadium-Doped Zircon and Zirconia Materials Prepared from Gel Precursors as Site-Selective Electrochemical Sensors. <i>Instrumentation Science and Technology</i> , 2003, 31, 121-140.	0.9	4
228	On the Existence of Different Zeolite-Associated Topological Redox Isomers. Electrochemistry of the Y Zeolite-Associated Mn(Salen) ₃ Complex. <i>Journal of Physical Chemistry B</i> , 2002, 106, 574-582.	1.2	43
229	Effective complexation of psychotropic phenethylammonium salts from a disodium dipyrzolate salt of macrocyclic structure. <i>Perkin Transactions II RSC</i> , 2002, , 1634-1638.	1.1	7
230	Voltammetric analysis of iron oxide pigments. <i>Analyst, The</i> , 2002, 127, 1100-1107.	1.7	47
231	Electrochemistry of vanadium-doped tetragonal and monoclinic ZrO ₂ attached to graphite/polyester composite electrodes. <i>Journal of Solid State Electrochemistry</i> , 2002, 6, 443-450.	1.2	19
232	A new macrocyclic dipyrzolate salt of diazatetraester structure able to efficiently and selectively interact with psychotropic phenethylammonium salts. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 115-122.	0.4	5
233	Determination of hydrogen peroxide using glassy carbon and graphite/polyester composite electrodes modified by vanadium-doped zirconias. <i>Analytica Chimica Acta</i> , 2002, 452, 11-22.	2.6	64
234	Electrochemistry of iron oxide pigments (earths) from pictorial microsamples attached to graphite-polyester composite electrodes. <i>Analyst, The</i> , 2001, 126, 1764-1772.	1.7	45

#	ARTICLE	IF	CITATIONS
235	Electrochemistry of copper complexes with polyaza[n]paracyclophanes. Influence of ATP as an exogen ligand on the relative stability of the Cu(II) and Cu(I) oxidation states. <i>Inorganica Chimica Acta</i> , 2000, 299, 238-246.	1.2	21
236	Combined Electrochemical and EPR Studies of Manganese Schiff Base Complexes Encapsulated within the Cavities of Zeolite Y. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1339-1344.	1.0	38
237	Electrochemical Evidence for an Impeded Attack of Water at Anthracene and Thianthrene Radical Ions Located on the Outermost Layers of Zeolites. <i>Journal of Organic Chemistry</i> , 1999, 64, 3731-3735.	1.7	18
238	Hematite, an electrocatalytic marker for the study of archaeological ceramic clay bodies. A VIMP and SECM study. <i>ChemElectroChem</i> , 0, , .	1.7	1
239	Spectroscopic, Electrochemical, and Biological Assays of Copper-Binding Molecules for Screening of Different Drugs and Plant Extracts against Neurodegenerative Disorders. <i>ACS Omega</i> , 0, , .	1.6	1