

# Andreas Bund

## List of Publications by Year in descending order

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280  
papers

6,978  
citations

53794

45  
h-index

98798

67  
g-index

287  
all docs

287  
docs citations

287  
times ranked

6551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Limited cross-species transmission and absence of mutations associated with SARS-CoV-2 adaptation in cats: A case study of infection in a small household setting. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 1606-1616.	3.0	19
2	Selective Metallization of Polymers: Surface Activation of Polybutylene Terephthalate (PBT) Assisted by Picosecond Laser Pulses. <i>Advanced Engineering Materials</i> , 2022, 24, 2100933.	3.5	6
3	Localized surface states influence in the photoelectrocatalytic performance of Al doped a-SiC:H based photocathodes. <i>Materials Science in Semiconductor Processing</i> , 2022, 143, 106474.	4.0	0
4	Influence of carboxylic acids on the performance of trivalent chromium electrolytes for the deposition of functional coatings. <i>Electrochimica Acta</i> , 2022, 411, 140054.	5.2	4
5	Nanometer-Thick Hematite Films as Photoanodes for Solar Water Splitting. <i>ACS Applied Nano Materials</i> , 2022, 5, 2897-2905.	5.0	5
6	Detecting SARS-CoV-2 lineages and mutational load in municipal wastewater and a use-case in the metropolitan area of Thessaloniki, Greece. <i>Scientific Reports</i> , 2022, 12, 2659.	3.3	17
7	Investigation of Fas (APO-1)-Related Apoptosis in Piglets Intradermally or Intramuscularly Vaccinated with a Commercial PRRSV MLV. <i>Viral Immunology</i> , 2022, 35, 129-137.	1.3	4
8	Disentangling faradaic, pseudocapacitive, and capacitive charge storage: A tutorial for the characterization of batteries, supercapacitors, and hybrid systems. <i>Electrochimica Acta</i> , 2022, 412, 140072.	5.2	78
9	Reverse Numerical Simulation of Kinetic Parameters from Acidic Copper Hull Cell Deposition. <i>Journal of the Electrochemical Society</i> , 2022, 169, 052501.	2.9	2
10	Tribological and Mechanical Performance of $Ti_2AlC$ and $Ti_3AlC_2$ Thin Films. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	10
11	Influence of 1,1-Dimethylpropargylamine on Nickel Electroplating. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1185-1185.	0.0	0
12	Innovation Processing of Circuit Boards with FDM Printing and Selective Electrochemical Metallization. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2369-2369.	0.0	0
13	Electroless Deposition of Nickel-Phosphorus Composite Layer with Incorporated Amorph Boron Particles and Subsequent Heat Treatment for the Formation of Nickelboride. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1111-1111.	0.0	0
14	Nanoparticle gas phase electrodeposition: Fundamentals, fluid dynamics, and deposition kinetics. <i>Journal of Aerosol Science</i> , 2021, 151, 105652.	3.8	2
15	Determination of transport parameters in [EMIm]Cl <sup>-</sup> -based Ionic Liquids – Diffusion and electrical conductivity. <i>Electrochimica Acta</i> , 2021, 366, 137370.	5.2	14
16	Facile synthesis of a binder-free 3D Ni/NiO microwire network with a nanostructured fiber surface for a negative electrode in Li-ion battery. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 815-828.	2.9	4
17	Method-Dependent Implications in Foodborne Pathogen Quantification: The Case of <i>Campylobacter coli</i> Survival on Meat as Comparatively Assessed by Colony Count and Viability PCR. <i>Frontiers in Microbiology</i> , 2021, 12, 604933.	3.5	14
18	Anti-corrosive siloxane coatings for improved long-term performance of supercapacitors with an aqueous electrolyte. <i>Electrochimica Acta</i> , 2021, 372, 137840.	5.2	18

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19	Electrodeposition of cuprous oxide on a porous copper framework for an improved photoelectrochemical performance. <i>Journal of Materials Science</i> , 2021, 56, 11866-11880.	3.7	8
20	Enhanced cycling performance of binder free silicon-based anode by application of electrochemically formed microporous substrate. <i>Electrochimica Acta</i> , 2021, 380, 138216.	5.2	4
21	Serological, Molecular and Culture-Based Diagnosis of Lentiviral Infections in Small Ruminants. <i>Viruses</i> , 2021, 13, 1711.	3.3	10
22	Effects of module stiffness and initial compression on lithium-ion cell aging. <i>Journal of Power Sources</i> , 2021, 506, 230163.	7.8	24
23	A Novel Real-Time RT-PCR-Based Methodology for the Preliminary Typing of SARS-CoV-2 Variants, Employing Non-Extendable LNA Oligonucleotides and Three Signature Mutations at the Spike Protein Receptor-Binding Domain. <i>Life</i> , 2021, 11, 1015.	2.4	5
24	Outbreaks of SARS-CoV-2 in naturally infected mink farms: Impact, transmission dynamics, genetic patterns, and environmental contamination. <i>PLoS Pathogens</i> , 2021, 17, e1009883.	4.7	26
25	A one-step real-time RT-PCR assay for simultaneous typing of SARS-CoV-2 mutations associated with the E484K and N501Y spike protein amino-acid substitutions. <i>Journal of Virological Methods</i> , 2021, 296, 114242.	2.1	10
26	Corrosion of aluminium current collector in lithium-ion batteries: A review. <i>Journal of Energy Storage</i> , 2021, 43, 103226.	8.1	45
27	Efficient preparation of Ni-M (M=Fe, Co, Mo) bimetallic oxides layer on Ni nanorod arrays for electrocatalytic oxygen evolution. <i>Applied Materials Today</i> , 2021, 25, 101185.	4.3	10
28	PCR-based next-generation West Nile virus sequencing protocols. <i>Molecular and Cellular Probes</i> , 2021, 60, 101774.	2.1	4
29	Layer-By-Layer Polyelectrolyte Assembly for the Protection of GaP Surfaces from Photocorrosion. <i>ACS Applied Nano Materials</i> , 2021, 4, 425-431.	5.0	1
30	Characterization of the Reduction Mechanism of Chromium(III) By in Situ Microgravimetry and Volumetric Determination of Hydrogen. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1488-1488.	0.0	0
31	Electrochemical Deposition of Si-C-O Composite Layers: Lithiation and Sodiation Behavior. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 720-720.	0.0	0
32	A TaqMan probe-based multiplex real-time PCR method for the specific detection of wild type lumpy skin disease virus with beta-actin as internal amplification control. <i>Molecular and Cellular Probes</i> , 2021, 60, 101778.	2.1	4
33	Nanostructured boron doped diamond enhancing the photoelectrochemical performance of TiO <sub>2</sub> /BDD heterojunction anodes. <i>Vacuum</i> , 2020, 171, 109006.	3.5	7
34	Aluminium-poly(3,4-ethylenedioxythiophene) rechargeable battery with ionic liquid electrolyte. <i>Journal of Energy Storage</i> , 2020, 28, 101176.	8.1	24
35	Characterization of <i>Plukenetia volubilis</i> L. fatty acid-based alkyd resins. <i>Polymer Testing</i> , 2020, 82, 106296.	4.8	15
36	Understanding the initial stages of Si electrodeposition under diffusion kinetic limitation in ionic liquid-based electrolytes. <i>Journal of Crystal Growth</i> , 2020, 531, 125346.	1.5	7

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37	Taguchi method in experimental procedures focused on corrosion process of positive current collector in lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 360, 137011.	5.2	17
38	Aluminum Deposition and Dissolution in [EMIm]Cl-Based Ionic Liquidsâ€“Kinetics of Chargeâ€“Transfer and the Rateâ€“Determining Step. <i>Journal of the Electrochemical Society</i> , 2020, 167, 102516.	2.9	20
39	NiCo <sub>2</sub> O <sub>4</sub> @Ni <sub>2</sub> P nanorods grown on nickel nanorod arrays as a bifunctional catalyst for efficient overall water splitting. <i>Materials Today Energy</i> , 2020, 17, 100490.	4.7	20
40	Molten iodide salt electrolyte for low-temperature low-cost sodium-based liquid metal battery. <i>Journal of Power Sources</i> , 2020, 475, 228674.	7.8	23
41	Ni <sub>3</sub> N-Coated Ni Nanorod Arrays for Hydrogen and Oxygen Evolution in Electrochemical Water Splitting. <i>ACS Applied Nano Materials</i> , 2020, 3, 10986-10995.	5.0	23
42	Cation exchange behavior during the redox switching of poly (3,4-ethylenedioxythiophene) films. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3231-3244.	2.5	7
43	Electrogravimetry and Structural Properties of Thin Silicon Layers Deposited in Sulfolane and Ionic Liquid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57526-57538.	8.0	6
44	Formation of ordered anodic alumina nanofibers during aluminum anodizing in oxalic acid at high voltage and electrical power. <i>Surface and Coatings Technology</i> , 2020, 394, 125813.	4.8	6
45	Electrochemical Preparation of Cobalt-Samarium Nanoparticles in an Aprotic Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2020, 167, 042505.	2.9	20
46	Irreversible dilation of graphite composite anodes influenced by vinylene carbonate. <i>Journal of Power Sources</i> , 2020, 457, 228020.	7.8	15
47	Influence of thermal treatment on the magnetic properties and morphology of electrodeposited Fe-Co films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 513, 167204.	2.3	2
48	Improved wear resistance of alternating amorphous and crystalline layers in electrodeposited Ni P multilayers. <i>Surface and Coatings Technology</i> , 2020, 386, 125470.	4.8	24
49	Low-frequency pulse plating for tailoring the optical appearance of chromium layers for decorative applications. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 489-499.	2.9	5
50	Validation of an actively-controlled pneumatic press to simulate automotive module stiffness for mechanically representative lithium-ion cell aging. <i>Journal of Energy Storage</i> , 2020, 28, 101192.	8.1	22
51	A highly sensitive semi-nested real-time PCR utilizing oligospermine-conjugated degenerate primers for the detection of diverse strains of small ruminant lentiviruses. <i>Molecular and Cellular Probes</i> , 2020, 51, 101528.	2.1	13
52	Anodic dissolution of aluminum and anodic passivation in [EMIm]Cl-based ionic liquids. <i>Electrochemistry Communications</i> , 2020, 115, 106720.	4.7	18
53	Effect of polyalcohols on the anticorrosive behaviour of alkyd coatings prepared with drying oils. <i>Progress in Organic Coatings</i> , 2020, 145, 105671.	3.9	15
54	Electrocatalysis of Lithium (Poly-) Sulfides in Organic Ether-Based Electrolytes. <i>Journal of the Electrochemical Society</i> , 2020, 167, 166520.	2.9	0

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55	Influence of Plating Conditions on Nickel-Chromium Alloy Electrodeposition. ECS Meeting Abstracts, 2020, MA2020-02, 1530-1530.	0.0	1
56	Investigation of The Reaction Kinetics of Chromium(III) Ions with Carboxylic Acids In Aqueous Solutions and The Associated Effects on Chromium Deposition. Journal of the Electrochemical Society, 2020, 167, 162509.	2.9	6
57	Numerical Simulation of Copper Deposition in the Hull Cell Based on Butler-Volmer Kinetics. Journal of the Electrochemical Society, 2020, 167, 122506.	2.9	2
58	Electrocodeposition of Titanium and Gallium from 1-Butyl-1-Methylpyrrolidinium Trifluoromethanesulfonate. Journal of the Electrochemical Society, 2020, 167, 122512.	2.9	1
59	Comment and Corrigendum on "Aluminum Deposition and Dissolution in [EMIm]Cl-Based Ionic Liquids" Kinetics of Charge Transfer and the Rate-Determining Step [J. Electrochem. Soc., 167, 102516 (2020)]. Journal of the Electrochemical Society, 2020, 167, 148501.	2.9	1
60	Physics-Based Modeling and Parameter Identification for Lithium Ion Batteries Under High Current Discharge Conditions. Journal of the Electrochemical Society, 2020, 167, 140549.	2.9	4
61	Electrodeposition of Cuprous Oxide on a Free-Standing Porous Cu Framework for Photoelectrochemical Water Splitting. ECS Meeting Abstracts, 2020, MA2020-02, 1425-1425.	0.0	0
62	Cathodic Corrosion Protection of Steel with Electroplated Aluminum Alloys. ECS Meeting Abstracts, 2020, MA2020-02, 1344-1344.	0.0	0
63	Investigation of the Electrochemical Kinetics of Aluminum Deposition from Ionic Liquids. ECS Meeting Abstracts, 2020, MA2020-02, 2989-2989.	0.0	0
64	Conductive Polymers As Hybrid Battery-Capacitor Electrode Materials. ECS Meeting Abstracts, 2020, MA2020-02, 336-336.	0.0	2
65	Electrochemical Sensor for the Detection of Nitrite Based on PEDOT and Hollow Gold - Palladium Nanoparticles. ECS Meeting Abstracts, 2020, MA2020-02, 2886-2886.	0.0	0
66	Chromium Electroplating from Cr(III) in Deep Eutectic Solvents. ECS Meeting Abstracts, 2020, MA2020-02, 2908-2908.	0.0	0
67	Electrochemical Deposition of Pd/Ag for Electrocatalytic Applications. ECS Meeting Abstracts, 2020, MA2020-02, 1496-1496.	0.0	0
68	Ultralong storage life of Li/MnO <sub>2</sub> primary batteries using MnO <sub>2</sub> -(CF <sub>x</sub> ) <sub>n</sub> with C-F semi-ionic bond as cathode materials. Electrochimica Acta, 2019, 320, 134618.	5.2	26
69	Electrochemical reduction mechanism of NbF <sub>5</sub> and NbCl <sub>5</sub> in the ionic liquid 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate. Electrochimica Acta, 2019, 321, 134600.	5.2	5
70	PEDOT coating applied on thick film gold electrodes for increased miniaturization capability. Progress in Organic Coatings, 2019, 135, 545-554.	3.9	5
71	The Vanadium Redox Reactions " Electrocatalysis versus Non-Electrocatalysis. ChemPhysChem, 2019, 20, 3004-3009.	2.1	9
72	A predictive model for the time dependence of concentrations in plating baths. Journal of Chemometrics, 2019, 33, e3166.	1.3	0

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73	Fluidic Self-Assembly on Electroplated Multilayer Solder Bumps with Tailored Transformation Imprinted Melting Points. <i>Scientific Reports</i> , 2019, 9, 11325.	3.3	11
74	Viability Quantitative PCR Utilizing Propidium Monoazide, Spheroplast Formation, and <i>Campylobacter coli</i> as a Bacterial Model. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	9
75	Evolutionary dynamics of lineage 2 West Nile virus in Europe, 2004â€“2018: Phylogeny, selection pressure and phylogeography. <i>Molecular Phylogenetics and Evolution</i> , 2019, 141, 106617.	2.7	30
76	Investigation of Conductor Packages and Contact Geometries for Stranded Copper Wires. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 399-404.	2.5	0
77	A PCR-based NGS protocol for whole genome sequencing of West Nile virus lineage 2 directly from biological specimens. <i>Molecular and Cellular Probes</i> , 2019, 46, 101412.	2.1	17
78	Trivalent chromium conversion coatings. <i>Journal of Coatings Technology Research</i> , 2019, 16, 623-641.	2.5	17
79	Ultrasound Assisted Electrodeposition of Cu-SiO <sub>2</sub> Composite Coatings: Effect of Particle Surface Chemistry. <i>Journal of the Electrochemical Society</i> , 2019, 166, D244-D251.	2.9	7
80	Relation between Color and Surface Morphology of Electrodeposited Chromium for Decorative Applications. <i>Journal of the Electrochemical Society</i> , 2019, 166, D205-D211.	2.9	13
81	Electrochemical deposition of silicon from a sulfolane-based electrolyte: Effect of applied potential. <i>Electrochemistry Communications</i> , 2019, 103, 7-11.	4.7	13
82	Electrodeposition of aluminium from ionic liquids on high strength steel. <i>Transactions of the Institute of Metal Finishing</i> , 2019, 97, 82-88.	1.3	11
83	Electrochemical Characteristics of Cobaltous Oxide in Organic Electrolyte According to Bode Plots: Double-Layer Capacitance and Pseudocapacitance. <i>ChemElectroChem</i> , 2019, 6, 2456-2463.	3.4	17
84	Nanoscale Morphological Changes at Lithium Interface, Triggered by the Electrolyte Composition and Electrochemical Cycling. <i>Journal of Chemistry</i> , 2019, 2019, 1-13.	1.9	5
85	Development of real-time PCR-based methods for the detection of enzootic nasal tumor virus 2 in goats. <i>Archives of Virology</i> , 2019, 164, 707-716.	2.1	6
86	Microgravimetric and Spectroscopic Analysis of Solid <sup>~</sup> Electrolyte Interphase Formation in Presence of Additives. <i>ChemPhysChem</i> , 2019, 20, 655-664.	2.1	3
87	Letter to the Editor concerning "Serological and clinical evaluation of the Yugoslavian RM 65 sheep pox strain vaccine use in cattle against lumpy skin disease" by Abutarbush and Tuppurainen ( <i>Transbound Emerg Dis</i> ; 2018: <a href="https://doi.org/10.1111/tbed.12923">https://doi.org/10.1111/tbed.12923</a> ). <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1090-1091.	3.0	0
88	Hydrolysis of LiPF <sub>6</sub> in Carbonate-Based Electrolytes for Lithium-Ion Batteries and in Aqueous Media. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8836-8842.	3.1	102
89	A one-step multiplex real-time RT-PCR for the universal detection of all currently known CCHFV genotypes. <i>Journal of Virological Methods</i> , 2018, 255, 38-43.	2.1	19
90	Electro-polymerisation and characterisation of PEDOT in Lewis basic, neutral and acidic EMImCl-AlCl <sub>3</sub> ionic liquid. <i>Electrochimica Acta</i> , 2018, 263, 176-183.	5.2	21

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91	Formation of Cr(VI) in cobalt containing Cr(III)-based treatment solution. Surface and Coatings Technology, 2018, 334, 444-449.	4.8	9
92	Electrochemical-mechanical coupled modeling and parameterization of swelling and ionic transport in lithium-ion batteries. Journal of Power Sources, 2018, 378, 235-247.	7.8	94
93	First-Time Detection of Porcine Reproductive and Respiratory Syndrome Virus and Porcine Circovirus 2 in an Albanian Farrow-to-Finish Herd. Viral Immunology, 2018, 31, 397-403.	1.3	0
94	Electro-polymerisation of 3,4-ethylenedioxythiophene on reticulated vitreous carbon in imidazolium-based chloroaluminate ionic liquid as energy storage material. Electrochemistry Communications, 2018, 89, 52-56.	4.7	11
95	Electrochemical characterization of chromium deposition from trivalent solutions for decorative applications by EQCM and near-surface pH measurements. Electrochimica Acta, 2018, 270, 104-109.	5.2	25
96	Influence of the Bead Geometry and the Tin Layer on the Contact Resistance of Copper Conductors. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 1863-1868.	2.5	1
97	The Influence of Contaminated Copper Wires on the DC Joule Heating of Connectors. , 2018, , .		0
98	Synthesis of Co <sub>3</sub> O <sub>4</sub> /CoOOH via electrochemical dispersion using a pulse alternating current method for lithium-ion batteries and supercapacitors. Solid State Sciences, 2018, 86, 53-59.	3.2	12
99	Colostrum transfer of neutralizing antibodies against lumpy skin disease virus from vaccinated cows to their calves. Transboundary and Emerging Diseases, 2018, 65, 2043-2048.	3.0	17
100	Structure and Formation of Trivalent Chromium Conversion Coatings Containing Cobalt on Zinc Plated Steel. Journal of the Electrochemical Society, 2018, 165, C657-C669.	2.9	13
101	Design of Contact Systems Under Consideration of Electrical and Tribological Properties. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 427-438.	2.5	1
102	Understanding the charge storage mechanism of conductive polymers as hybrid battery-capacitor materials in ionic liquids by <i>in situ</i> atomic force microscopy and electrochemical quartz crystal microbalance studies. Journal of Materials Chemistry A, 2018, 6, 17787-17799.	10.3	28
103	Electrodeposition of Cuprous Oxide on Boron Doped Diamond Electrodes. Advances in Electrical and Electronic Engineering, 2018, 16, .	0.3	1
104	Reversible and irreversible dilation of lithium-ion battery electrodes investigated by in-situ dilatometry. Journal of Power Sources, 2017, 342, 939-946.	7.8	83
105	Detection of Crimean-Congo hemorrhagic fever virus-specific IgG antibodies in ruminants residing in Central and Western Macedonia, Greece. Ticks and Tick-borne Diseases, 2017, 8, 494-498.	2.7	9
106	Immunosuppression in sheep induced by cyclophosphamide, bluetongue virus and their combination: Effect on clinical reaction and viremia. Microbial Pathogenesis, 2017, 104, 318-327.	2.9	5
107	Copper-MAX-phase composite coatings obtained by electro-co-deposition: A promising material for electrical contacts. Surface and Coatings Technology, 2017, 321, 219-228.	4.8	27
108	An Electrochemical Quartz Crystal Microbalance Study on Electrodeposition of Aluminum and Aluminum-Manganese Alloys. Journal of the Electrochemical Society, 2017, 164, H5263-H5270.	2.9	14

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109	Lumpy skin disease outbreaks in Greece during 2015â€”16, implementation of emergency immunization and genetic differentiation between field isolates and vaccine virus strains. <i>Veterinary Microbiology</i> , 2017, 201, 78-84.	1.9	59
110	The influence of current collector corrosion on the performance of electrochemical capacitors. <i>Journal of Power Sources</i> , 2017, 368, 18-29.	7.8	52
111	Laser pyrolysis synthesis of Snâ€”Feâ€”N@polycarbosilazane nanocomposites, characterization and evaluation as energy storage materials. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	1
112	Detection of flexibly bound adsorbate using the nonlinear response of quartz crystal resonator driven at high oscillation amplitude. <i>Electrochimica Acta</i> , 2017, 252, 424-429.	5.2	1
113	In Situ Studies of Solid Electrolyte Interphase (SEI) Formation on Crystalline Carbon Surfaces by Neutron Reflectometry and Atomic Force Microscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35794-35801.	8.0	59
114	Development and validation of a TaqMan probe-based real-time PCR method for the differentiation of wild type lumpy skin disease virus from vaccine virus strains. <i>Journal of Virological Methods</i> , 2017, 249, 48-57.	2.1	54
115	Complete Genome Sequence of the Lumpy Skin Disease Virus Isolated from the First Reported Case in Greece in 2015. <i>Genome Announcements</i> , 2017, 5, .	0.8	35
116	Drying and moisture resorption behaviour of various electrode materials and separators for lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 364, 84-91.	7.8	48
117	Thin-film calorimetry: In-situ characterization of materials for lithium-ion batteries. <i>International Journal of Materials Research</i> , 2017, 108, 904-919.	0.3	2
118	Perspectiveâ€”State of the Art of Rechargeable Aluminum Batteries in Non-Aqueous Systems. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3499-A3502.	2.9	29
119	Preparation and characterization of a rechargeable battery based on poly-(3,4-ethylenedioxythiophene) and aluminum in ionic liquids. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3237-3246.	2.5	26
120	Novel amperometric sensors for nitrite detection using electrodes modified with PEDOT prepared in ionic liquids. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 281-290.	2.5	14
121	Liquid metal batteries - materials selection and fluid dynamics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 228, 012013.	0.6	26
122	A Novel Pan- <i>Flavivirus</i> Detection and Identification Assay Based on RT-qPCR and Microarray. <i>BioMed Research International</i> , 2017, 2017, 1-12.	1.9	34
123	Thermal Stability of Materials for Thin-Film Electrochemical Cells Investigated by Thin-Film Calorimetry. <i>MRS Advances</i> , 2016, 1, 1043-1049.	0.9	2
124	State-of-Charge and State-of-Health Estimation of Commercial LiFePO <sub>4</sub> Batteries by means of Impedance Spectroscopy. , 2016, , 3-18.		0
125	An adaption of the Archard equation for electrical contacts with thin coatings. <i>Tribology International</i> , 2016, 102, 1-9.	5.9	13
126	Synthesis, Characterization, and Photocatalytic Properties of Sulfur- and Carbon-Codoped TiO <sub>2</sub> Nanoparticles. <i>Nanoscale Research Letters</i> , 2016, 11, 140.	5.7	65



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127	Influence of Fluid Dynamics on the Electrochemical Deposition of Tantalum. ECS Transactions, 2016, 75, 287-295.	0.5	1
128	Electrochemical Deposition of Aluminum and Aluminum-Manganese Alloys in Ionic Liquids. ECS Transactions, 2016, 75, 657-665.	0.5	8
129	Electrochemical dispersion technique for preparation of hybrid MO x $\alpha$ -C supports and Pt/MO x $\alpha$ -C electrocatalysts for low-temperature fuel cells. Journal of Applied Electrochemistry, 2016, 46, 1245-1260.	2.9	35
130	In situ analysis of surface morphology and viscoelastic effects during deposition of thin silicon layers from 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide. Electrochimica Acta, 2016, 219, 251-257.	5.2	11
131	Electrochemical Detection of Neurotransmitters Using Modified PEDOT Electrodes. ECS Transactions, 2016, 75, 149-155.	0.5	2
132	Enhanced lithium ion storage in TiO <sub>2</sub> nanoparticles, induced by sulphur and carbon co-doping. Journal of Power Sources, 2016, 326, 270-278.	7.8	27
133	Serological monitoring of backyard chickens in Central Macedonia-Greece can detect low transmission of West Nile virus in the absence of human neuroinvasive disease cases. Acta Tropica, 2016, 163, 26-31.	2.0	13
134	An Electrochemical and Photoelectron Spectroscopy Study of a Low Temperature Liquid Metal Battery Based on an Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2016, 163, A2488-A2493.	2.9	12
135	Investigation of All Wet Chemical Process for the Barrier Formation in High Aspect Ratio Silicon Vias. IEEE Transactions on Electron Devices, 2016, 63, 3199-3204.	3.0	7
136	Anti-corrosive properties of silane coatings deposited on anodised aluminium. Electrochimica Acta, 2016, 220, 1-10.	5.2	53
137	Calculation of the wear surface and the coefficient of friction for various coated contact geometries. Wear, 2016, 368-369, 390-399.	3.1	8
138	Effect of continuous magnetic field on the growth mechanism of nanoporous anodic alumina films on different substrates. Journal of Solid State Electrochemistry, 2016, 20, 2765-2772.	2.5	7
139	Epidemiological characteristics and clinicopathological features of bluetongue in sheep and cattle, during the 2014 BTV serotype 4 incursion in Greece. Tropical Animal Health and Production, 2016, 48, 469-477.	1.4	16
140	Ultrasound assisted electrodeposition of Zn and Zn-TiO <sub>2</sub> coatings. Electrochimica Acta, 2016, 198, 287-295.	5.2	48
141	Electrochemical dispersion method for the synthesis of SnO <sub>2</sub> as anode material for lithium ion batteries. Journal of Applied Electrochemistry, 2016, 46, 527-538.	2.9	21
142	An acoustic impedance study of PEDOT layers obtained in aqueous solution. Electrochimica Acta, 2016, 190, 285-293.	5.2	24
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