

# Herve Martinez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152  
papers

4,645  
citations

37  
h-index

63  
g-index

157  
ext. papers

5,223  
ext. citations

5.7  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
152	How carbon coating or continuous carbon pitch matrix influence the silicon electrode/electrolyte interfaces and the performance in Li-ion batteries <b>2022</b> , 1, 20210009		1
151	Functional nanoparticle-driven self-assembled diblock copolymer hybrid nano-patterns. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 1920-1930	4.9	0
150	Surface analyses of low carbon steel and stainless steel in geothermal synthetic Na-Ca-Cl brine saturated with CO <sub>2</sub> . <i>Results in Surfaces and Interfaces</i> , <b>2022</b> , 100040	0	
149	Impact of the Salt Anion on K Metal Reactivity in EC/DEC Studied Using GC and XPS Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 57505-57513	9.5	2
148	A critical discussion on the analysis of buried interfaces in Li solid-state batteries. Ex situ and in situ/operando studies. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 25341-25368	13	3
147	Silicon-based electrodes formulation in buffered solution for enhanced electrode-electrolyte interfaces. <i>Journal of Power Sources</i> , <b>2021</b> , 489, 229465	8.9	6
146	Stabilization of Metal Single Atoms on Carbon and TiO <sub>2</sub> Supports for CO <sub>2</sub> Hydrogenation: The Importance of Regulating Charge Transfer. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001777	4.6	6
145	Cross-Section Auger Analysis to Study the Bulk Organization/Structure of Mn-Co Nano-Composites for Hybrid Supercapacitors. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 010508	3.9	2
144	An improved plasmonic Au@Ag/TiO <sub>2</sub> /rGO photocatalyst through entire visible range absorption, charge separation and high adsorption ability. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 11727-11736	3.6	3
143	Atomic Layer Fluorination of 5 V Class Positive Electrode Material LiCoPO <sub>4</sub> for Enhanced Electrochemical Performance. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 1051-1058	5.6	1
142	Surface atomic layer fluorination of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> : Investigation of the surface electrode reactivity and the outgassing behavior in LiBs. <i>Applied Surface Science</i> , <b>2020</b> , 527, 146834	6.7	4
141	A nanopatterned dual reactive surface driven by block copolymer self-assembly. <i>Nanoscale</i> , <b>2020</b> , 12, 7532-7537	7.7	5
140	3D Ruthenium Nanoparticle Covalent Assemblies from Polymantane Ligands for Confined Catalysis. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2365-2378	9.6	6
139	Influence of the Cathode Potential on Electrode Interactions within a Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> vs LiNi <sub>3</sub> /5Mn <sub>1</sub> /5Co <sub>1</sub> /5O <sub>2</sub> Li-Ion Battery. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 040504	3.9	2
138	Sustainable quantum dot chemistry: effects of precursor, solvent, and surface chemistry on the synthesis of ZnP nanocrystals. <i>Chemical Communications</i> , <b>2020</b> , 56, 3321-3324	5.8	5
137	How the Binder/Solvent Formulation Impacts the Electrolyte Reactivity/Solid Electrolyte Interphase Formation and Cycling Stability of Conversion Type Electrodes. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 060533	3.9	3
136	Electrochemical Redox Processes Involved in Carbon-Coated KVPO <sub>4</sub> F for High Voltage K-Ion Batteries Revealed by XPS Analysis. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 130527	3.9	6

135	Lithium-rich layered titanium sulfides: Cobalt- and Nickel-free high capacity cathode materials for lithium-ion batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 26, 213-222	19.4	22
134	Impact of the cycling temperature on electrode/electrolyte interfaces within Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> vs LiMn <sub>2</sub> O <sub>4</sub> cells. <i>Journal of Power Sources</i> , <b>2020</b> , 448, 227573	8.9	9
133	Self-supported carbon nanofibers as negative electrodes for K-ion batteries: Performance and mechanism. <i>Electrochimica Acta</i> , <b>2020</b> , 362, 137125	6.7	10
132	Experimental Determination of CO <sub>2</sub> Solubility in Brines At High Temperatures and High Pressures and Induced Corrosion of Materials in Geothermal Equipment <b>2020</b> , 9-20		0
131	2D and 3D Ruthenium Nanoparticle Covalent Assemblies for Phenyl Acetylene Hydrogenation. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 4069-4082	2.3	
130	Revealing surface functionalities via microwave for the para-fluoro-Thiol click reaction. <i>Polymer</i> , <b>2020</b> , 202, 122675	3.9	2
129	Probing the in-depth distribution of organic/inorganic molecular species within the SEI of LTO/NMC and LTO/LMO batteries: A complementary ToF-SIMS and XPS study. <i>Applied Surface Science</i> , <b>2020</b> , 501, 144266	6.7	16
128	Cross-Section Auger/XPS Imaging of Conversion Type Electrodes: How Their Morphological Evolution Controls the Performance in Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 5300-5307	6.1	3
127	Surface Layer Fluorination of TiO <sub>2</sub> Electrodes for Electrode Protection LIBs: Fading the Reactivity of the Negative Electrode/Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A1905-A1914	3.9	5
126	Experimental Measurements of Carbon Dioxide Solubility in NaCl Solutions at High Temperatures and Pressures up to 20 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 2497-2503	2.8	9
125	Atomic Layer Fluorination of the Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Surface: A Multiprobing Survey. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 6681-6692	6.1	8
124	Cross-section Auger imaging: A suitable tool to study aging mechanism of conversion type electrodes. <i>Journal of Power Sources</i> , <b>2019</b> , 441, 227213	8.9	1
123	Chemoselective reduction of quinoline over Rh <sub>60</sub> nanocatalysts. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 6884-6898	5.5	8
122	Core@Corona Functional Nanoparticle-Driven Rod-Coil Diblock Copolymer Self-Assembly. <i>Langmuir</i> , <b>2019</b> , 35, 16925-16934	4	3
121	Experimental Measurement of CO <sub>2</sub> Solubility in a 1 mol/kgw CaCl <sub>2</sub> Solution at Temperature from 323.15 to 423.15 K and Pressure up to 20 MPa <b>2018</b> , 123-134		2
120	Impact of the metal electrode size in half-cells studies: Example of graphite/Li coin cells. <i>Electrochemistry Communications</i> , <b>2018</b> , 90, 61-64	5.1	4
119	Iron molybdate thin films prepared by sputtering and their electrochemical behavior in Li batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 1454-1462	5.7	6
118	Toward efficient Li-ion cells at high temperatures: Example of TiSnSb material. <i>Journal of Power Sources</i> , <b>2018</b> , 391, 51-58	8.9	8

117	Cu-doping of calcium phosphate bioceramics: From mechanism to the control of cytotoxicity. <i>Acta Biomaterialia</i> , <b>2018</b> , 65, 462-474	10.8	50
116	Facile One-Step Synthesis of Polyoxazoline-Coated Iron Oxide Nanoparticles. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11898-11901	1.8	2
115	Influence of the Positive Electrode on Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> (LTO) Electrode/Electrolyte Interfaces in Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A2925-A2934	3.9	11
114	Silica coated iron nanoparticles: synthesis, interface control, magnetic and hyperthermia properties.. <i>RSC Advances</i> , <b>2018</b> , 8, 32146-32156	3.7	25
113	Paving the Way for K-Ion Batteries: Role of Electrolyte Reactivity through the Example of Sb-Based Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34116-34122	9.5	52
112	An X-ray photoelectron spectroscopy study of the electrochemical behaviour of iron molybdate thin films in lithium and sodium cells. <i>Journal of Power Sources</i> , <b>2017</b> , 342, 796-807	8.9	16
111	Influence of Vinylene Carbonate Additive on the Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Electrode/Electrolyte Interface for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A1314-A1320	3.9	18
110	Hexakis [60]Fullerene Adduct-Mediated Covalent Assembly of Ruthenium Nanoparticles and Their Catalytic Properties. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13379-13386	4.8	17
109	Effect of the Functionalization Process on the Colloidal, Magnetic Resonance Imaging, and Bioelimination Properties of Mono- or Bisphosphonate-Anchored Dendronized Iron Oxide Nanoparticles. <i>ChemPlusChem</i> , <b>2017</b> , 82, 647-659	2.8	14
108	Thorough XPS analyses on overlithiated manganese spinel cycled around the 3V plateau. <i>Applied Surface Science</i> , <b>2017</b> , 411, 449-456	6.7	30
107	Dual Cation- and Anion-Based Redox Process in Lithium Titanium Oxysulfide Thin Film Cathodes for All-Solid-State Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2275-2284	9.5	8
106	Nanoscale Chemical Characterization of Solid-State Microbattery Stacks by Means of Auger Spectroscopy and Ion-Milling Cross Section Preparation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33238-33249	9.5	12
105	New insights into the characterization of the electrode/electrolyte interfaces within LiMn <sub>2</sub> O <sub>4</sub> /Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> cells, by X-ray photoelectron spectroscopy, scanning Auger microscopy and time-of-flight secondary ion mass spectrometry. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15315-15325	13	22
104	Design and Cellular Fate of Bioinspired Au-Ag Nanoshells@Hybrid Silica Nanoparticles. <i>Langmuir</i> , <b>2016</b> , 32, 10073-10082	4	19
103	Impact of the salts and solvents on the SEI formation in Sb/Na batteries: An XPS analysis. <i>Electrochimica Acta</i> , <b>2016</b> , 207, 284-292	6.7	65
102	Temperature effects on Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> electrode/electrolyte interfaces at the first cycle: A X-ray Photoelectron Spectroscopy and Scanning Auger Microscopy study. <i>Journal of Power Sources</i> , <b>2016</b> , 318, 291-301	8.9	30
101	Artificial SEI for Lithium-Ion Battery Anodes: Impact of Fluorinated and Nonfluorinated Additives <b>2015</b> , 173-202		3
100	Air- and water-resistant noble metal coated ferromagnetic cobalt nanorods. <i>ACS Nano</i> , <b>2015</b> , 9, 2792-8046.7	46.7	25

99	Improvement of the stability of TiSnSb anode under lithiation using SEI forming additives and room temperature ionic liquid/DMC mixed electrolyte. <i>Electrochimica Acta</i> , <b>2015</b> , 170, 72-84	6.7	7
98	Thermoresponsive gold nanoshell@mesoporous silica nano-assemblies: an XPS/NMR survey. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 28719-28	3.6	13
97	Lithium-rich manganese oxide spinel thin films as 3 V electrode for lithium batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 528-534	6.7	9
96	Functionalization strategies and dendronization of iron oxide nanoparticles. <i>Nanotechnology Reviews</i> , <b>2015</b> , 4,	6.3	22
95	Role of Negative Electrode Porosity in Long-Term Aging of NMC//Graphite Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A7096-A7103	3.9	7
94	Study of the effects of surface modification by thermal shock method on photocatalytic activity of TiO <sub>2</sub> P25. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 260-268	21.8	34
93	The Solid Electrolyte Interphase a key parameter of the high performance of Sb in sodium-ion batteries: Comparative X-ray Photoelectron Spectroscopy study of Sb/Na-ion and Sb/Li-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 14-24	8.9	131
92	XPS investigation of surface reactivity of electrode materials: effect of the transition metal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6629-36	9.5	76
91	From rational design of organometallic precursors to optimized synthesis of core/shell Ge/GeO <sub>2</sub> nanoparticles. <i>Dalton Transactions</i> , <b>2015</b> , 44, 7242-50	4.3	9
90	Direct observation of important morphology and composition changes at the surface of the CuO conversion material in lithium batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 861-873	8.9	53
89	High-Performing Monometallic Cobalt Layered Double Hydroxide Supercapacitor with Defined Local Structure. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4831-4842	15.6	123
88	<sup>113</sup> Sn Mössbauer spectroscopy study of the mechanism of lithium reaction with self-organized Ti <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> nanotubes. <i>Nanoscale</i> , <b>2014</b> , 6, 7827-31	7.7	5
87	New insights into micro/nanoscale combined probes (nanoAuger, XPS) to characterize Ag/Au@SiO <sub>2</sub> core-shell assemblies. <i>Nanoscale</i> , <b>2014</b> , 6, 11130-40	7.7	22
86	Surface film formation on TiSnSb electrodes: Impact of electrolyte additives. <i>Journal of Power Sources</i> , <b>2014</b> , 268, 645-657	8.9	15
85	Design of gold nanoshells via a gelatin-mediated self-assembly of gold nanoparticles on silica cores. <i>RSC Advances</i> , <b>2014</b> , 4, 63234-63237	3.7	4
84	Enhanced electrochemical performance of Lithium-ion batteries by conformal coating of polymer electrolyte. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 544	5	12
83	Surface fluorination of single-phase TiO <sub>2</sub> by thermal shock method for enhanced UV and visible light induced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 1-11	21.8	26
82	Study of the Electrode/Electrolyte Interface on Cycling of a Conversion Type Electrode Material in Li Batteries.. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 19302-19313	3.8	49

81	Effect of Sn-doping on the electrochemical behaviour of TiO <sub>2</sub> nanotubes as potential negative electrode materials for 3D Li-ion micro batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 224, 269-277	8.9	77
80	Lithium borophosphate thin film electrolyte as an alternative to LiPON for solder-reflow processed lithium-ion microbatteries. <i>Solid State Ionics</i> , <b>2013</b> , 249-250, 49-55	3.3	13
79	Lithium secondary batteries working at very high temperature: Capacity fade and understanding of aging mechanisms. <i>Journal of Power Sources</i> , <b>2013</b> , 236, 265-275	8.9	86
78	Design of Ag@Au nanoshell core/mesoporous oriented silica shell nanoparticles through a sol-gel surfactant templating method. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 171, 72-77	5.3	17
77	Comprehensive X-ray Photoelectron Spectroscopy Study of the Conversion Reaction Mechanism of CuO in Lithiated Thin Film Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 4421-4430	3.8	161
76	Effect of the nanoparticle synthesis method on dendronized iron oxides as MRI contrast agents. <i>Dalton Transactions</i> , <b>2013</b> , 42, 2146-57	4.3	64
75	Investigation on the part played by the solid electrolyte interphase on the electrochemical performances of the silicon electrode for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 206, 245-252	8.0	58
74	Study of surface fluorination of photocatalytic TiO <sub>2</sub> by thermal shock method. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 187, 300-308	3.3	17
73	Thorough study of the local structure of LiPON thin films to better understand the influence of a solder-reflow type thermal treatment on their performances. <i>Solid State Ionics</i> , <b>2012</b> , 206, 72-77	3.3	34
72	Evolution of the Si electrode/electrolyte interface in lithium batteries characterized by XPS and AFM techniques: The influence of vinylene carbonate additive. <i>Solid State Ionics</i> , <b>2012</b> , 215, 36-44	3.3	71
71	Thermal behaviors and grafting process of LDH/benzene derivative hybrid systems. <i>Thermochimica Acta</i> , <b>2012</b> , 538, 1-8	2.9	11
70	InP/ZnS nanocrystals: coupling NMR and XPS for fine surface and interface description. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19701-8	16.4	154
69	First principles calculations of solid-solid interfaces: an application to conversion materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22063		26
68	New Investigations on the Surface Reactivity of Layered Lithium Oxides. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20332-20341	3.8	23
67	Electrochemical fabrication and properties of highly ordered Fe-doped TiO <sub>2</sub> nanotubes. <i>ChemPhysChem</i> , <b>2012</b> , 13, 3707-13	3.2	16
66	Highly conformal electrodeposition of copolymer electrolytes into titania nanotubes for 3D Li-ion batteries. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 349	5	31
65	Effect of molar mass and regioregularity on the photovoltaic properties of a reduced bandgap phenyl-substituted polythiophene. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 1953-1966	2.5	2
64	Ab initio electron energy-loss spectra and depolarization effects: Application to carbon nanotubes. <i>International Journal of Quantum Chemistry</i> , <b>2012</b> , 112, 2171-2184	2.1	1

63	Lithium-Ion Batteries Working at 85°C: Aging Phenomena and Electrode/Electrolyte Interfaces Studied by XPS. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, A1739-A1746	3.9	59
62	Intercalation and grafting of benzene derivatives into zinc-aluminum and copper-chromium layered double hydroxide hosts: an XPS monitoring study. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17564-736	3.6	63
61	Experimental (X-Ray Photoelectron Spectroscopy) and theoretical studies of benzene based organics intercalated into layered double hydroxide. <i>Solid State Sciences</i> , <b>2011</b> , 13, 1676-1686	3.4	29
60	Characterization of all-solid-state Li/LiPONB/TiOS microbatteries produced at the pilot scale. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 10289-10296	8.9	45
59	The electronic structure of the CuRh <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub> thermoelectric materials: An X-ray photoelectron spectroscopy study. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2387-2392	3.3	21
58	Investigation of the local structure of LiPON thin films to better understand the role of nitrogen on their performance. <i>Solid State Ionics</i> , <b>2011</b> , 186, 29-36	3.3	114
57	Pseudotetragonal structure of Li <sub>2+x</sub> Ce <sub>x</sub> (3+)Ce <sub>12-x</sub> (4+)F <sub>50</sub> : the first mixed valence cerium fluoride. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 686-94	5.1	9
56	Percolation network of organo-modified layered double hydroxide platelets into polystyrene showing enhanced rheological and dielectric behavior. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9484		24
55	Investigation of glow-discharge-induced morphology modifications on silicon wafers and chromium conversion coatings by AFM and rugosimetry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 2841-53	4.4	4
54	Alternatively linking fullerene and conjugated polymers. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2304-2317	2.5	33
53	The effect of glow discharge sputtering on the analysis of metal oxide films. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2009</b> , 64, 155-166	3.1	20
52	Surface Properties of LiCoO <sub>2</sub> Investigated by XPS Analyses and Theoretical Calculations. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5843-5852	3.8	111
51	Possible Explanation for the Efficiency of Al-Based Coatings on LiCoO <sub>2</sub> : Surface Properties of LiCo <sub>1-x</sub> Al <sub>x</sub> O <sub>2</sub> Solid Solution. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5607-5616	9.6	71
50	A new route for local probing of inner interactions within a layered double hydroxide/benzene derivative hybrid material. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 3554-65	3.6	16
49	Diblock and Random Donor/Acceptor Double Cable Polythiophene Copolymers via the GRIM Method. <i>Macromolecules</i> , <b>2008</b> , 41, 9736-9743	5.5	76
48	In-depth profile analysis of oxide films by radiofrequency glow discharge optical emission spectrometry (rf-GD-OES): possibilities of depth-resolved solid-state speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 1378	3.7	11
47	Study of intercalated Ti atom in tetrahedral or octahedral sites of titanium disulfide (001) surfaces: theoretical scanning tunneling microscopy images. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 014708	3.9	2
46	Regioregular Phenyl and Phenoxy Substituted Polythiophenes for Bulk Heterojunction Solar Cells. <i>Macromolecular Symposia</i> , <b>2008</b> , 268, 19-24	0.8	2

45	Surface film morphology (AFM) and chemical features (XPS) of cycled V <sub>2</sub> O <sub>5</sub> thin films in lithium microbatteries. <i>Journal of Power Sources</i> , <b>2008</b> , 180, 836-844	8.9	27
44	Effect of silver co-sputtering on V <sub>2</sub> O <sub>5</sub> thin films for lithium microbatteries. <i>Thin Solid Films</i> , <b>2008</b> , 516, 7271-7281	2.2	22
43	Electron Transfer Mechanisms upon Lithium Deintercalation from LiCoO <sub>2</sub> to CoO <sub>2</sub> Investigated by XPS. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 583-590	9.6	304
42	Surface film formation on electrodes in a LiCoO <sub>2</sub> /graphite cell: A step by step XPS study. <i>Journal of Power Sources</i> , <b>2007</b> , 174, 462-468	8.9	171
41	XPS study of electrode/electrolyte interfaces of BiCu <sub>6</sub> Sn <sub>5</sub> electrodes in Li-ion batteries. <i>Journal of Power Sources</i> , <b>2007</b> , 174, 1086-1090	8.9	63
40	Ti vacancies on the (001) surface of TiS <sub>2</sub> detected by scanning tunneling microscopy: A combined experimental and theoretical study. <i>Solid State Sciences</i> , <b>2007</b> , 9, 594-599	3.4	7
39	Influence of the lithium salt nature over the surface film formation on a graphite electrode in Li-ion batteries: An XPS study. <i>Applied Surface Science</i> , <b>2007</b> , 253, 4895-4905	6.7	167
38	Electronic and structural properties of Ti vacancies on the (001) surface of TiS <sub>2</sub> : theoretical scanning tunneling microscopy images. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 074703	3.9	3
37	XPS valence band spectra and theoretical calculations for investigations on thiogermanate and thiosilicate glasses. <i>Chemical Physics</i> , <b>2006</b> , 323, 606-616	2.3	16
36	Vanadium pentoxide thin films used as positive electrode in lithium microbatteries: An XPS study during cycling. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 1320-1324	3.9	13
35	XPS valence characterization of lithium salts as a tool to study electrode/electrolyte interfaces of Li-ion batteries. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 12986-92	3.4	146
34	Influence of the metal nature (Ni, Cu, Mg) on the surface acid-base properties of mixed oxides elaborated from LDH. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 234-237	1.5	13
33	XPS investigations achieved on the first cycle of V <sub>2</sub> O <sub>5</sub> thin films used in lithium microbatteries. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2006</b> , 150, 1-10	1.7	48
32	Thiogermanate glasses: influence of the modifier cation: a combined XPS and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 180-186	3.6	4
31	Study of a nanocomposite based on a conducting polymer: polyaniline. <i>Langmuir</i> , <b>2005</b> , 21, 1575-83	4	40
30	An anionic photo-sensitizer intercalated in a layered double hydroxide: Preparation, characterization and photo-oxidation efficiency. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 84, 343-352	5.3	12
29	Characterization of rf sputtered TiO <sub>y</sub> S <sub>z</sub> thin films. <i>Thin Solid Films</i> , <b>2005</b> , 484, 113-123	2.2	18
28	Ageing of atactic and isotactic polystyrene thin films treated by oxygen DC pulsed plasma. <i>Surface and Coatings Technology</i> , <b>2005</b> , 200, 2310-2316	4.4	43



27	Effect of total gas and oxygen partial pressure during deposition on the properties of sputtered V <sub>2</sub> O <sub>5</sub> thin films. <i>Solid State Ionics</i> , <b>2005</b> , 176, 1627-1634	3.3	26
26	XPS investigations of TiO <sub>y</sub> S <sub>z</sub> amorphous thin films used as positive electrode in lithium microbatteries. <i>Solid State Ionics</i> , <b>2005</b> , 176, 1529-1537	3.3	41
25	Analysis of microscopic modifications and macroscopic surface properties of polystyrene thin films treated under d.c. pulsed discharge conditions. <i>Surface and Interface Analysis</i> , <b>2005</b> , 37, 544-554	1.5	19
24	Surface film formation on a graphite electrode in Li-ion batteries: AFM and XPS study. <i>Surface and Interface Analysis</i> , <b>2005</b> , 37, 773-781	1.5	188
23	Electrochemical Mechanisms during Lithium Insertion into TiO <sub>0.6</sub> S <sub>2.8</sub> Thin Film Positive Electrode in Lithium Microbatteries. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, A141	3.9	10
22	On the catalytic properties of mixed oxides obtained from the Cu-Mg-Al LDH precursors in the process of hydrogenation of the cinnamaldehyde. <i>Applied Catalysis A: General</i> , <b>2004</b> , 262, 43-51	5.1	37
21	4-Benzoylbenzoate intercalated in layered double hydroxides: a new catalyst for photo-oxidation of sulfides in solution and in the gas phase. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 4047-4050	2	15
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19	Influence of the cation nature of high sulfur content oxysulfide thin films MO <sub>2</sub> S (M=W, Ti) studied by XPS. <i>Applied Surface Science</i> , <b>2004</b> , 236, 377-386	6.7	36
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17	A study on the aging process of polystyrene thin films treated under DC pulsed discharges conditions in oxygen and argon-oxygen mixtures. <i>EPJ Applied Physics</i> , <b>2003</b> , 21, 59-66	1.1	7
16	Acid-Base properties of MgCuAl mixed oxides. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2003</b> , 72, 191-198	4.1	15
15	The specific behavior of M <sub>x</sub> TiS <sub>2</sub> (x=1/4, M=Fe, Ni) surfaces probed by scanning microscopy (STM and AFM). <i>Chemical Physics</i> , <b>2003</b> , 290, 267-278	2.3	8
14	A tentative theory for conjugated rod-coil multi-block copolymer assembly and the initial characterisation by atomic force microscopy and small angle neutron scattering of poly(polymethylphenylsilane-block-polyisoprene). <i>Synthetic Metals</i> , <b>2003</b> , 139, 463-469	3.6	11
13	Experimental (XPS/STM) and theoretical (FLAPW) studies of model systems M <sub>1/4</sub> TiS <sub>2</sub> (M=Fe, Co, Ni): influence of the inserted metal. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2002</b> , 125, 181-196	1.7	15
12	Further theoretical analyses (2D and 3D) of Ni <sub>1/4</sub> TiS <sub>2</sub> probed by XPS/STM studies. <i>Surface Science</i> , <b>2002</b> , 517, 43-51	1.8	7
11	Acid-Base properties of Mg <sub>3</sub> Ni <sub>2</sub> Al mixed oxides using LDH as precursors. <i>Thermochimica Acta</i> , <b>2001</b> , 379, 85-93	2.9	65
10	Heterogeneous sulfoxidation of thioethers by hydrogen peroxide over layered double hydroxides as catalysts. <i>Catalysis Today</i> , <b>2001</b> , 66, 529-534	5.3	44

9	Differentiated contrasts for M1/4TiS <sub>2</sub> (M=Fe, Ni) UHV-STM images. <i>Applied Surface Science</i> , <b>2000</b> , 167, 160-168	6.7	
8	UHV-STM images on intercalated metal disulfide Ni <sub>1</sub> /4TiS <sub>2</sub> and Ni <sub>1</sub> /3TiS <sub>2</sub> : influence of sulfur chemical surrounding. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 1643-1651	5.1	1
7	Homoepitaxial growth of CdTe on vicinal CdTe(100) surfaces: Reaction kinetics and mechanism. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1999</b> , 17, 1-8	2.9	2
6	Surface analysis of two misfit layer compounds [(PbS) <sub>1.18</sub> (TiS <sub>2</sub> ) <sub>2</sub> ] by scanning probe microscopies (AFM and STM) and X-ray photoelectron spectroscopy (XPS). <i>Applied Surface Science</i> , <b>1998</b> , 125, 259-272	6.7	7
5	Interpretation of scanning tunneling microscopy and atomic force microscopy images of 1T-TiS <sub>2</sub> . <i>Surface Science</i> , <b>1998</b> , 400, 247-257	1.8	14
4	Electronic structure of intercalated metal disulfides ( and ) studied by XPS and theoretical calculations. <i>Journal of Alloys and Compounds</i> , <b>1996</b> , 245, 30-39	5.7	36
3	Studies of 1T TiS <sub>2</sub> by STM, AFM and XPS: the mechanism of hydrolysis in air. <i>Applied Surface Science</i> , <b>1996</b> , 93, 231-235	6.7	48
2	Electronic structure (XPS and ab-initio band structure calculation) and scanning probe microscopy images of $\text{E}_{\text{in}}$ sulfide. <i>Applied Surface Science</i> , <b>1996</b> , 103, 149-158	6.7	6
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