

Antonella Rossi

List of Publications by Year in descending order

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172
papers

6,322
citations

57758

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85541

71
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174
all docs

174
docs citations

174
times ranked

7500
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium carbonate as sorbent for lead removal from wastewaters. Chemosphere, 2022, 296, 133897.	8.2	19
2	KAT Ligation for Rapid and Facile Covalent Attachment of Biomolecules to Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 29113-29121.	8.0	5
3	An antiviral trap made of protein nanofibrils and iron oxyhydroxide nanoparticles. Nature Nanotechnology, 2021, 16, 918-925.	31.5	61
4	Surface and bulk modifications of amphibole asbestos in mimicked gamble's solution at acidic PH. Scientific Reports, 2021, 11, 14249.	3.3	8
5	Surface and Bulk Modifications of Fibrous Erionite in Mimicked Gamble's™s Solution at Acidic pH. Minerals (Basel, Switzerland), 2021, 11, 914.	2.0	2
6	Spectroscopic evidence for clarifying the mechanism of toxic element removal by marble waste. Vacuum, 2021, , 110721.	3.5	1
7	Reactive-Oxygen-Species-Mediated Surface Oxidation of Single-Molecule DNA Origami by an Atomic Force Microscope Tip-Mounted C60 Photocatalyst. ACS Nano, 2021, , .	14.6	0
8	Probing the outermost layer of thin gold films by XPS and density functional theory. Applied Surface Science, 2020, 507, 145084.	6.1	18
9	The Bright X-Ray Stimulated Luminescence of HfO ₂ Nanocrystals Activated by Ti Ions. Advanced Optical Materials, 2020, 8, 1901348.	7.3	13
10	Defects in the Amorphous→Crystalline Evolution of Gel-Derived TiO ₂ . Journal of Physical Chemistry C, 2020, 124, 23773-23783.	3.1	13
11	Introduction to lateral resolution and analysis area measurements in XPS. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	10
12	A new test specimen for the determination of the field of view of small-area X-ray photoelectron spectrometers. Surface and Interface Analysis, 2020, 52, 890-894.	1.8	0
13	Degradation Products on Byzantine Glasses from Northern Tunisia. Applied Sciences (Switzerland), 2020, 10, 7523.	2.5	4
14	Stainless steels: Passive film composition, pitting potentials, and critical chloride content in concrete. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 797-807.	1.5	11
15	Model Protective Films on Cu-Zn Alloys Simulating the Inner Surfaces of Historical Brass Wind Instruments by EIS and XPS. Frontiers in Chemistry, 2020, 8, 272.	3.6	6
16	Photocatalytic hydrogen evolution by co-catalyst-free TiO ₂ /C bulk heterostructures synthesized under mild conditions. RSC Advances, 2020, 10, 12519-12534.	3.6	25
17	Nanostructured spinel cobalt ferrites: Fe and Co chemical state, cation distribution and size effects by X-ray photoelectron spectroscopy. RSC Advances, 2019, 9, 19171-19179.	3.6	100
18	Load and Velocity Dependence of Friction Mediated by Dynamics of Interfacial Contacts. Physical Review Letters, 2019, 123, 116102.	7.8	26

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19	Influence of Water on Tribolayer Growth When Lubricating Steel with a Fluorinated Phosphonium Dicyanamide Ionic Liquid. <i>Lubricants</i> , 2019, 7, 27.	2.9	9
20	Unraveling the Charge State of Oxygen Vacancies in ZrO_2 on the Basis of Synergistic Computational and Experimental Evidence. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11581-11590.	3.1	31
21	Influence of the Nb/P ratio of acidic Nb P Si oxides on surface and catalytic properties. <i>Applied Catalysis A: General</i> , 2019, 579, 9-17.	4.3	14
22	Accelerated Ionic Motion in Amorphous Memristor Oxides for Nonvolatile Memories and Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2019, 29, 1804782.	14.9	51
23	Composition and origin of PM2.5 in Mediterranean Countryside. <i>Environmental Pollution</i> , 2019, 246, 294-302.	7.5	9
24	Adsorption of ionic liquids onto silver studied by XPS. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 544, 78-85.	4.7	35
25	Understanding Complex Tribofilms by Means of $H_3BO_3 \cdot B_2O_3$ Model Glasses. <i>Langmuir</i> , 2018, 34, 2219-2234.	3.5	22
26	Lubrication of Si-Based Tribopairs with a Hydrophobic Ionic Liquid: The Multiscale Influence of Water. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7331-7343.	3.1	23
27	An XPS study into sulphur speciation in blue and green ultramarine. <i>Journal of Cultural Heritage</i> , 2018, 29, 30-35.	3.3	24
28	Passivation of Steel and Stainless Steel in Alkaline Media Simulating Concrete. , 2018, , 365-375.		7
29	Ionic Liquids at Interfaces and Their Tribological Behavior. , 2018, , 172-194.		12
30	Electronic properties of TiO_2 -based materials characterized by high Ti^{3+} self-doping and low recombination rate of electron-hole pairs. <i>RSC Advances</i> , 2017, 7, 2373-2381.	3.6	66
31	Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. <i>Nature Nanotechnology</i> , 2017, 12, 642-647.	31.5	216
32	Fabrication and Microscopic and Spectroscopic Characterization of Planar, Bimetallic, Micro- and Nanopatterned Surfaces. <i>Langmuir</i> , 2017, 33, 5657-5665.	3.5	17
33	Role of Boron in the Tribochemistry of Thermal Films Formed in the Presence of ZnDTP and Dispersant Additives. <i>Tribology Letters</i> , 2017, 65, 1.	2.6	4
34	Adsorption and Tribochemical Factors Affecting the Lubrication of Silicon-Based Materials by (Fluorinated) Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7259-7275.	3.1	12
35	Elucidating the resistance to failure under tribological tests of various boron-based films by XPS and ToF-SIMS. <i>Applied Surface Science</i> , 2017, 425, 948-964.	6.1	7
36	Modeling Mechanochemical Reaction Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26531-26538.	8.0	25

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37	Nanostructure of Surface Films on Ni18P Alloy in Sulfate Solutions by the Maximum Entropy Method. ACS Omega, 2017, 2, 7790-7802.	3.5	10
38	Iron within the erionite cavity and its potential role in inducing its toxicity: Evidence of Fe (III) segregation as extra-framework cation. Microporous and Mesoporous Materials, 2017, 237, 168-179.	4.4	13
39	Tuning the surface chemistry of lubricant-derived phosphate thermal films: The effect of boron. Applied Surface Science, 2017, 396, 1251-1263.	6.1	12
40	Determination of the corrosion rate inside historical brass wind instruments â€œ Proof of concept. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 1336-1343.	1.5	6
41	Electrochemical and XPS surface analytical study on the reactivity of Niâ€free stainless steel in artificial saliva. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 591-599.	1.5	6
42	Dissolution of brass alloys naturally aged in neutral solutions â€œ an electrochemical and surface analytical study. RSC Advances, 2016, 6, 90654-90665.	3.6	6
43	Characterisation of Roman and Byzantine glasses from the surroundings of Thugga (Tunisia): Raw materials and colours. Microchemical Journal, 2016, 129, 5-15.	4.5	16
44	Increased conversion and selectivity of 4-nitrostyrene hydrogenation to 4-aminostyrene on Pt nanoparticles supported on titanium-tungsten mixed oxides. Applied Catalysis A: General, 2016, 519, 130-138.	4.3	18
45	Selective protein trapping within hybrid nanowells. Nanoscale, 2016, 8, 16511-16519.	5.6	10
46	Effect of the environmental humidity on the bulk, interfacial and nanoconfined properties of an ionic liquid. Physical Chemistry Chemical Physics, 2016, 18, 22719-22730.	2.8	51
47	Mechanical and tribological properties of boron oxide and zinc borate glasses. Journal of Commonwealth Law and Legal Education, 2016, 57, 233-244.	0.5	5
48	Determination of the limit of detection by X-ray photoelectron spectroscopy for As, Zn and Pb oxides in SiO ₂ matrix as model systems for environmental investigations. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 121, 38-46.	2.9	6
49	Layering of ionic liquids on rough surfaces. Nanoscale, 2016, 8, 4094-4106.	5.6	48
50	Nanosized surface films on brass alloys by XPS and XAES. RSC Advances, 2016, 6, 31277-31289.	3.6	43
51	Influence of Environmental Humidity on the Wear and Friction of a Silica/Silicon Tribopair Lubricated with a Hydrophilic Ionic Liquid. ACS Applied Materials & Interfaces, 2016, 8, 2961-2973.	8.0	31
52	A non-destructive in-situ approach to monitor corrosion inside historical brass wind instruments. Microchemical Journal, 2016, 124, 757-764.	4.5	21
53	Physicochemical characterization of metal hexacyanometallateâ€TiO ₂ composite materials. RSC Advances, 2015, 5, 35435-35447.	3.6	21
54	Effects of Tailored Surface Chemistry on Desorption Electrospray Ionization Mass Spectrometry: a Surface-Analytical Study by XPS and AFM. Journal of the American Society for Mass Spectrometry, 2015, 26, 1311-1319.	2.8	11

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55	Surface Coating from Phosphonate Ionic Liquid Electrolyte for the Enhancement of the Tribological Performance of Magnesium Alloy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10337-10347.	8.0	26
56	Fe (II) segregation at a specific crystallographic site of fibrous erionite: A first step toward the understanding of the mechanisms inducing its carcinogenicity. <i>Microporous and Mesoporous Materials</i> , 2015, 211, 49-63.	4.4	34
57	Surface alteration mechanism and topochemistry of iron in tremolite asbestos: A step toward understanding the potential hazard of amphibole asbestos. <i>Chemical Geology</i> , 2015, 405, 28-38.	3.3	24
58	Irreversible structural change of a dry ionic liquid under nanoconfinement. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13613-13624.	2.8	62
59	Exploiting XPS for the identification of sulfides and polysulfides. <i>RSC Advances</i> , 2015, 5, 75953-75963.	3.6	336
60	Environmental Influence on the Surface Chemistry of Ionic-Liquid-Mediated Lubrication in a Silica/Silicon Tribopair. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29389-29400.	3.1	30
61	The 15th European Conference on Applications of Surface and Interface Analysis. <i>Surface and Interface Analysis</i> , 2014, 46, 653-653.	1.8	0
62	4. Attenuated total reflection-Fourier transform infrared spectroscopy: A powerful tool for investigating polymer surfaces and interfaces. , 2014, , 113-152.		5
63	Surface chemical characterization of PM10 samples by XPS. <i>Applied Surface Science</i> , 2014, 307, 120-128.	6.1	46
64	A contribution to the surface characterization of alkali metal sulfates. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 193, 6-15.	1.7	19
65	Dissolution reaction and surface iron speciation of UICC crocidolite in buffered solution at pH 7.4: A combined ICP-OES, XPS and TEM investigation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 221-232.	3.9	23
66	Tailoring SU-8 Surfaces: Covalent Attachment of Polymers by Means of Nitrene Insertion. <i>Langmuir</i> , 2014, 30, 10107-10111.	3.5	14
67	Microslips to "Avalanches" in Confined, Molecular Layers of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 179-184.	4.6	107
68	Ionic Liquids Confined in Hydrophilic Nanocontacts: Structure and Lubricity in the Presence of Water. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6491-6503.	3.1	98
69	Rapid prototyped porous nickel-titanium scaffolds as bone substitutes. <i>Journal of Tissue Engineering</i> , 2014, 5, 204173141454067.	5.5	33
70	ToF-SIMS of polyphosphate glasses. <i>Surface and Interface Analysis</i> , 2013, 45, 579-582.	1.8	5
71	Ion Depletion Near a Solution Surface: Is Image-Charge Repulsion Sufficient?. <i>Physical Review Letters</i> , 2013, 111, 266102.	7.8	2
72	Template-Stripped, Ultraflat Gold Surfaces with Coplanar, Embedded Titanium Micropatterns. <i>Langmuir</i> , 2013, 29, 9935-9943.	3.5	2

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73	Square-µm Sized, Free-Standing Organometallic Sheets and Their Square-Centimeter Sized Multilayers on Solid Substrates. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1670-1680.	3.9	71
74	Role of the interface oxide film/alloy composition and stability of stainless steels. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2012, 63, 1188-1193.	1.5	11
75	Effect of Chain-Length and Countersurface on the Tribochemistry of Bulk Zinc Polyphosphate Glasses. <i>Tribology Letters</i> , 2012, 48, 393-406.	2.6	30
76	Tribochemistry of Triphenyl Phosphorothionate (TPPT) by In Situ Attenuated Total Reflection (ATR/FT-IR) Tribometry. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5614-5627.	3.1	29
77	Surface chemistry and surface reactivity of fibrous amphiboles that are not regulated as asbestos. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 821-833.	3.7	21
78	XPS analysis on the influence of water on the evolution of zinc dialkyldithiophosphate-derived reaction layer in lubricated rolling contacts. <i>Surface and Interface Analysis</i> , 2012, 44, 1219-1224.	1.8	38
79	Chain-length-identification strategy in zinc polyphosphate glasses by means of XPS and ToF-SIMS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1415-1432.	3.7	102
80	In Situ Attenuated Total Reflection (ATR/FT-IR) Tribometry: A Powerful Tool for Investigating Tribochemistry at the Lubricant-Substrate Interface. <i>Tribology Letters</i> , 2012, 45, 207-218.	2.6	21
81	Chemical Reactivity of Triphenyl Phosphorothionate (TPPT) with Iron: An ATR/FT-IR and XPS Investigation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1339-1354.	3.1	57
82	Arsenopyrite and pyrite bioleaching: evidence from XPS, XRD and ICP techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2237-2248.	3.7	57
83	An XPS investigation on glucose oxidase and Ni/Al hydrotalcite interaction. <i>Surface and Interface Analysis</i> , 2011, 43, 816-822.	1.8	16
84	Stainless steel reinforcing bars – reason for their high pitting corrosion resistance. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011, 62, 111-119.	1.5	42
85	Nickel-free manganese bearing stainless steel in alkaline media – Electrochemistry and surface chemistry. <i>Electrochimica Acta</i> , 2011, 56, 4489-4497.	5.2	41
86	Impact of substrate material and annealing conditions on the microstructure and chemistry of yttria-stabilized-zirconia thin films. <i>Journal of Power Sources</i> , 2011, 196, 7372-7382.	7.8	22
87	Influence of metallic and oxidized iron/steel on the reactivity of triphenyl phosphorothionate in oil solution. <i>Tribology International</i> , 2011, 44, 670-683.	5.9	30
88	Arsenic removal from surface waters by hydrotalcite-like sulphate minerals: field evidences from an old mine in Sardinia, Italy. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2011, 188, 49-63.	0.3	10
89	Combined use of X-ray photoelectron and Mössbauer spectroscopic techniques in the analytical characterization of iron oxidation state in amphibole asbestos. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2889-2898.	3.7	50
90	Tribochemistry of Bulk Zinc Metaphosphate Glasses. <i>Tribology Letters</i> , 2010, 39, 121-134.	2.6	66

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91	Substituent Effect on the Reactivity of Alkylated Triphenyl Phosphorothionates in Oil Solution in the Presence of Iron Particles. <i>Tribology Letters</i> , 2010, 40, 375-394.	2.6	8
92	Influence of Major Anions on As(V) Adsorption by Synthetic 2-line Ferrihydrite. Kinetic Investigation and XPS Study of the Competitive Effect of Bicarbonate. <i>Water, Air, and Soil Pollution</i> , 2010, 205, 25-41.	2.4	67
93	Orthogonal, Three-Component, Alkanethiol-Based Surface-Chemical Gradients on Gold. <i>Langmuir</i> , 2010, 26, 8392-8399.	3.5	17
94	Electroless Plating of Ultrathin Films and Mirrors of Platinum Nanoparticles onto Polymers, Metals, and Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 639-643.	8.0	30
95	Permanent Pattern-Resolved Adjustment of the Surface Potential of Graphene-Like Carbon through Chemical Functionalization. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 224-227.	13.8	92
96	Aqueous Lubrication of SiC and Si ₃ N ₄ Ceramics Aided by a Brush-like Copolymer Additive, Poly(L-lysine)-graft-poly(ethylene glycol). <i>Tribology Letters</i> , 2009, 34, 201-210.	2.6	45
97	Reactivity of Triphenyl Phosphorothionate in Lubricant Oil Solution. <i>Tribology Letters</i> , 2009, 35, 31-43.	2.6	30
98	An XPS analytical approach for elucidating the microbially mediated enargite oxidative dissolution. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1931-1941.	3.7	15
99	Spatial Tuning of the Metal Work Function by Means of Alkanethiol and Fluorinated Alkanethiol Gradients. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5620-5628.	3.1	51
100	Nondestructive Surface Depth Profiles from Angle-Resolved X-ray Photoelectron Spectroscopy Data Using the Maximum Entropy Method. I. A New Protocol. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21328-21337.	3.1	24
101	Electroless deposited Ni-P alloys: corrosion resistance mechanism. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1053-1060.	2.9	104
102	Effect of phosphorus concentration on the electronic structure of nanocrystalline electrodeposited Ni-P alloys: an XPS and XAES investigation. <i>Surface and Interface Analysis</i> , 2008, 40, 919-926.	1.8	40
103	Synthesis of Compounds Presenting Three and Four Anthracene Units as Potential Connectors To Mediate Infinite Lateral Growth at the Air/Water Interface. <i>Chemistry - A European Journal</i> , 2008, 14, 10797-10807.	3.3	19
104	The corrosion resistance of electroless deposited nano-crystalline Ni-P alloys. <i>Electrochimica Acta</i> , 2008, 53, 3364-3370.	5.2	117
105	Electrochemistry and surface chemistry of stainless steels in alkaline media simulating concrete pore solutions. <i>Electrochimica Acta</i> , 2008, 53, 8078-8086.	5.2	102
106	Enargite oxidation: A review. <i>Earth-Science Reviews</i> , 2008, 86, 62-88.	9.1	98
107	Reactivity of alkylated phosphorothionates with steel: a tribological and surface-analytical study. <i>Lubrication Science</i> , 2008, 20, 79-102.	2.1	27
108	The surface of iron and Fe ₁₀ Cr alloys in alkaline media. , 2007, , 44-61.		9

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109	Electrochemical and XPS surface analytical studies on the reactivity of enargite. <i>European Journal of Mineralogy</i> , 2007, 19, 353-361.	1.3	15
110	Functionalized Titanium Oxide Surfaces with Phosphated Carboxymethyl Cellulose: Characterization and Bonelike Cell Behavior. <i>Biomacromolecules</i> , 2007, 8, 3965-3972.	5.4	19
111	Chemical Analysis of Spray Pyrolysis Gadolinia-Doped Ceria Electrolyte Thin Films for Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2007, 19, 1134-1142.	6.7	74
112	Synthesis of Poly(methacrylic acid) Brushes via Surface-Initiated Atom Transfer Radical Polymerization of Sodium Methacrylate and Their Use as Substrates for the Mineralization of Calcium Carbonate. <i>Macromolecules</i> , 2007, 40, 168-177.	4.8	81
113	The surface of enargite after exposure to acidic ferric solutions: an XPS/XAES study. <i>Surface and Interface Analysis</i> , 2007, 39, 908-915.	1.8	17
114	XPS study of the influence of temperature on ZnDTP tribofilm composition. <i>Tribology Letters</i> , 2007, 25, 185-196.	2.6	97
115	Pressure Dependence of ZnDTP Tribochemical Film Formation: A Combinatorial Approach. <i>Tribology Letters</i> , 2007, 28, 209-222.	2.6	55
116	Continuous revolving barrel bioreactor tailored to the bioleaching microorganisms. <i>Mining, Metallurgy and Exploration</i> , 2006, 23, 196-202.	0.8	1
117	XPS and XAES analysis of copper, arsenic and sulfur chemical state in enargites. <i>Surface and Interface Analysis</i> , 2006, 38, 922-930.	1.8	97
118	Nondestructive in-depth composition profile of oxy-hydroxide nanolayers on iron surfaces from ARXPS measurement. <i>Surface and Interface Analysis</i> , 2006, 38, 964-974.	1.8	51
119	Surface reactivity of tributyl thiophosphate: effects of temperature and mechanical stress. <i>Tribology Letters</i> , 2006, 23, 197-208.	2.6	51
120	Short-time plasma surface modification of polymer powders in a down flowing tube reactor. <i>Surface and Coatings Technology</i> , 2005, 200, 525-528.	4.8	13
121	Short-time plasma surface modification of HDPE powder in a Plasma Downer Reactor " process, wettability improvement and ageing effects. <i>Applied Surface Science</i> , 2005, 252, 1581-1595.	6.1	93
122	Determination of Arsenic Speciation in Complex Environmental Samples by the Combined Use of TEM and XPS. <i>Mikrochimica Acta</i> , 2005, 151, 189-201.	5.0	37
123	Mechanisms of galena dissolution in oxygen-saturated solutions: Evaluation of pH effect on apparent activation energies and mineral-water interface. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2321-2331.	3.9	48
124	Surface analytical studies of surface-additive interactions, by means of in situ and combinatorial approaches. <i>Wear</i> , 2004, 256, 578-584.	3.1	40
125	Quantitative Surface Analysis of Urban Airborne Particles by X-Ray Photoelectron Spectroscopy. <i>Annali Di Chimica</i> , 2004, 94, 123-133.	0.6	13
126	From Chemical to Structural Order of Electrodeposited Ni ₂ P Alloy: An XPS and EDXD Study. <i>Chemistry of Materials</i> , 2004, 16, 4216-4225.	6.7	25

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127	Chemical analyses of Bronze Age glasses from Frattesina di Rovigo, Northern Italy. <i>Journal of Archaeological Science</i> , 2004, 31, 1175-1184.	2.4	96
128	Combined in situ (ATR FT-IR) and ex situ (XPS) Study of the ZnDTP-Iron Surface Interaction. <i>Tribology Letters</i> , 2003, 15, 181-191.	2.6	87
129	Title is missing!. <i>Tribology Letters</i> , 2003, 15, 199-209.	2.6	70
130	A Combinatorial Approach to Elucidating Tribochemical Mechanisms. <i>Tribology Letters</i> , 2003, 15, 193-198.	2.6	15
131	Degradation of plasticized PVC for biomedical disposable device under soft x-ray irradiation. <i>Surface and Interface Analysis</i> , 2003, 35, 294-300.	1.8	18
132	Radiation-induced migration of additives in PVC-based biomedical disposable devices. Part 1. Surface morphology by AFM and SEM/XEDS. <i>Surface and Interface Analysis</i> , 2003, 35, 395-402.	1.8	13
133	Radiation-induced migration of additives in PVC-based biomedical disposable devices Part 2. Surface analysis by XPS. <i>Surface and Interface Analysis</i> , 2003, 35, 673-681.	1.8	17
134	The chemical state of arsenic in minerals of environmental interest--an XPS and an XAES study. <i>Annali Di Chimica</i> , 2003, 93, 11-9.	0.6	7
135	Fe10Cr and Fe15Cr as Standards for Stainless Steel Surface Characterization, by XPS. <i>Surface Science Spectra</i> , 2002, 9, 275-285.	1.3	0
136	In situ attenuated total reflection (ATR) spectroscopic analysis of tribological phenomena. <i>Tribology Series</i> , 2002, 40, 199-206.	0.1	3
137	Additive-surface interaction in boundary lubrication: A combinatorial approach. <i>Tribology Series</i> , 2002, 40, 49-57.	0.1	3
138	Growth of Tribological Films:Â In Situ Characterization Based on Attenuated Total Reflection Infrared Spectroscopy. <i>Langmuir</i> , 2002, 18, 6606-6613.	3.5	62
139	Enargite by XPS. <i>Surface Science Spectra</i> , 2002, 9, 266-274.	1.3	8
140	Poly(l-lysine)-g-poly(ethylene glycol) Layers on Metal Oxide Surfaces:Â Surface-Analytical Characterization and Resistance to Serum and Fibrinogen Adsorption. <i>Langmuir</i> , 2001, 17, 489-498.	3.5	490
141	X-ray photoelectron spectra of Pd(II) and Pt(II) complexes with 1,3-thiazolidine-2-thione. A quantum mechanics study on the free ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 1073-1083.	3.9	12
142	Quantitative X-ray photoelectron spectroscopy study of enargite (Cu ₃ AsS ₄) surface. <i>Surface and Interface Analysis</i> , 2001, 31, 465-470.	1.8	43
143	Surface analytical and electrochemical study on the role of adsorbed chloride ions in corrosion of stainless steels. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2001, 52, 175-180.	1.5	13
144	Zinc Diisopropyl Dithiophosphate by XPS. <i>Surface Science Spectra</i> , 2001, 8, 97-104.	1.3	5

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145	XPS, AES and ToF-SIMS investigation of surface films and the role of inclusions on pitting corrosion in austenitic stainless steels. <i>Surface and Interface Analysis</i> , 2000, 29, 460-467.	1.8	67
146	Synthesis and characterization of a cobalt(III) complex with 1-(d-3-mercapto-2-methylpropionyl)-l-proline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 1875-1886.	3.9	19
147	Structural Chemistry of Self-Assembled Monolayers of Octadecylphosphoric Acid on Tantalum Oxide Surfaces. <i>Langmuir</i> , 2000, 16, 3257-3271.	3.5	256
148	XPS, AES and ToF-SIMS investigation of surface films and the role of inclusions on pitting corrosion in austenitic stainless steels. <i>Surface and Interface Analysis</i> , 2000, 29, 460-467.	1.8	1
149	Model Pumices Supported Metal Catalysts. <i>Journal of Catalysis</i> , 1997, 171, 169-176.	6.2	10
150	A new amorphous trinuclear complex of Pt(II) with 1,3-thiazolidine-2-thione: [Pt ₃ (ttz) ₈]Cl ₆ . <i>Inorganica Chimica Acta</i> , 1996, 248, 203-208.	2.4	15
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