

Edward Sacher

List of Publications by Year in descending order

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219
papers

8,414
citations

50276

46
h-index

54911

84
g-index

220
all docs

220
docs citations

220
times ranked

10660
citing authors

#	ARTICLE	IF	CITATIONS
1	Ag NP catalysis of Cu ions in the preparation of AgCu NPs and the mechanism of their enhanced antibacterial efficacy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127831.	4.7	21
2	A Pragmatic Perspective of the Initial Stages of the Contact Killing of Bacteria on Copper-Containing Surfaces. <i>Applied Microbiology</i> , 2022, 2, 449-452.	1.6	3
3	Antimicrobial Properties of the Ag, Cu Nanoparticle System. <i>Biology</i> , 2021, 10, 137.	2.8	74
4	Dynamic behaviours and drying processes of water droplets impacting on superhydrophilic surfaces. <i>Surface Engineering</i> , 2021, 37, 1301-1307.	2.2	3
5	A facile route to prepare colorless Ag-Cu nanoparticle dispersions with elevated antibacterial effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127116.	4.7	9
6	A Pragmatic Perspective of the Antibacterial Properties of Metal-Based Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 3214.	4.1	2
7	Physicochemical surface characterizations of four dental CAD/CAM lithium disilicate-based glass ceramics on HF etching: An XPS study. <i>Ceramics International</i> , 2020, 46, 1411-1418.	4.8	23
8	Nitric oxide attachment to SPIONs: Demonstration of the covalent S NO bond in a nanodelivery system. <i>Applied Surface Science</i> , 2020, 521, 145959.	6.1	1
9	Destabilization of PVA-stabilized Ag NPs: color changes at low aqueous concentrations, induced by aggregation and coalescence. <i>Materials Research Express</i> , 2020, , .	1.6	5
10	Physicochemical Characterization of Polyvinyl Pyrrolidone: A Tale of Two Polyvinyl Pyrrolidones. <i>ACS Omega</i> , 2020, 5, 30461-30467.	3.5	30
11	Synthesis of amorphous SiO ₂ nanowires by one-step low temperature hydrothermal process. <i>Materials Research Express</i> , 2019, 6, 115202.	1.6	3
12	The physicochemical characterization of the Cu nanoparticle surface, and of its evolution on atmospheric exposure: Application to antimicrobial bandages for wound dressings. <i>Applied Surface Science</i> , 2019, 473, 25-30.	6.1	12
13	Comment on "Intensity modulation of the Shirley background of the C _{1s} spectra with photon energies around the C _{2p} edge" by A. H. Gomez, D. C. Abrera, G. Herman, A. D. D. Utol et al., <i>Surface Interface Analysis</i> , 2018, 50, 603-605.	1.8	3
14	Short communication: Unexpected findings on the physicochemical characterization of the silver nanoparticle surface. <i>Applied Surface Science</i> , 2018, 428, 1079-1081.	6.1	8
15	A facile method to prepare mechanically durable super slippery polytetrafluoroethylene coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 556, 99-105.	4.7	28
16	Improving the Mechanical Durability of Superhydrophobic Coating by Deposition onto a Mesh Structure. <i>Materials Research Express</i> , 2018, 5, 065521.	1.6	4
17	Characterization of endotoxins on orthopaedic fixation screws, using physicochemical surface analyses. <i>Journal of Orthopaedic Research</i> , 2017, 35, 240-247.	2.3	1
18	Improved adhesion of Ag NPs to the polyethylene terephthalate surface via atmospheric plasma treatment and surface functionalization. <i>Applied Surface Science</i> , 2017, 411, 411-418.	6.1	38

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19	PtRu Alloy Nanoparticles I. Physicochemical Characterizations of Structures Formed as a Function of the Type of Deposition and Their Evolutions on Annealing. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23104-23119.	3.1	13
20	PtRu Alloy Nanoparticles. 2. Chemical and Electrochemical Surface Characterization for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23120-23128.	3.1	15
21	Preparation of large-scale, durable, superhydrophobic PTFE films using rough glass templates. <i>Surface and Interface Analysis</i> , 2017, 49, 1422-1430.	1.8	14
22	Physicochemical Characterizations of Nanoparticles Used for Bioenergy and Biofuel Production. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 173-191.	0.7	2
23	Washing effect on superparamagnetic iron oxide nanoparticles. <i>Data in Brief</i> , 2016, 7, 1296-1301.	1.0	12
24	A comparative physicochemical, morphological and magnetic study of silane-functionalized superparamagnetic iron oxide nanoparticles prepared by alkaline coprecipitation. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 203-211.	2.8	28
25	Repelling hot water from superhydrophobic surfaces based on carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16953-16960.	10.3	70
26	Surface Chemistry of Bacteriophage and Laser Ablated Nanoparticle Complexes for Pathogen Detection. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14375-14382.	3.1	8
27	X-ray photoelectron spectroscopic and morphologic studies of Ru nanoparticles deposited onto highly oriented pyrolytic graphite. <i>Applied Surface Science</i> , 2015, 355, 279-289.	6.1	30
28	Human Alveolar Epithelial Cell Responses to Core-Shell Superparamagnetic Iron Oxide Nanoparticles (SPIONs). <i>Langmuir</i> , 2015, 31, 3829-3839.	3.5	18
29	Durable superhydrophobic PTFE films through the introduction of micro- and nanostructured pores. <i>Applied Surface Science</i> , 2015, 339, 151-157.	6.1	60
30	Protein Corona Formation on Magnetite Nanoparticles: Effects of Culture Medium Composition, and Its Consequences on Superparamagnetic Nanoparticle Cytotoxicity. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 828-840.	1.1	18
31	Nanoscale surface characterization of biphasic calcium phosphate, with comparisons to calcium hydroxyapatite and β -tricalcium phosphate bioceramics. <i>Journal of Colloid and Interface Science</i> , 2014, 420, 182-188.	9.4	58
32	Bacteriophages: biosensing tools for multi-drug resistant pathogens. <i>Analyst</i> , The, 2014, 139, 1224.	3.5	59
33	How to repel hot water from a superhydrophobic surface?. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10639-10646.	10.3	62
34	Surface Plasmon Resonance Determination of the Binding Mechanisms of γ -Cysteine and Mercaptoundecanoic Acid on Gold. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6712-6718.	3.1	18
35	The differential detection of methicillin-resistant, methicillin-susceptible and borderline oxacillin-resistant <i>Staphylococcus aureus</i> by surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2013, 49, 334-340.	10.1	35
36	X-ray Photoelectron Spectroscopic and Transmission Electron Microscopic Characterizations of Bacteriophage-Nanoparticle Complexes for Pathogen Detection. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20656-20665.	3.1	45

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37	Core-shell nanoparticles as prodrugs: Possible cytotoxicological and biomedical impacts of batch-to-batch inconsistencies. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 292-297.	9.4	34
38	Strategies for the Immobilization of Bacteriophages on Gold Surfaces Monitored by Surface Plasmon Resonance and Surface Morphology. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6686-6691.	3.1	31
39	The effect of ethylene oxide sterilization on the surface chemistry and <i>in vitro</i> cytotoxicity of several kinds of chitosan. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101, 1444-1455.	3.4	33
40	Nitric Oxide Delivery by Core/Shell Superparamagnetic Nanoparticle Vehicles with Enhanced Biocompatibility. <i>Langmuir</i> , 2012, 28, 12879-12885.	3.5	53
41	Surface plasmon resonance detection of <i>E. coli</i> and methicillin-resistant <i>S. aureus</i> using bacteriophages. <i>Biosensors and Bioelectronics</i> , 2012, 37, 24-29.	10.1	186
42	Formation of FePt Alloy Nanoparticles on Highly Oriented Pyrolytic Graphite: A Morphological and In Situ X-ray Photoelectron Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6902-6912.	3.1	11
43	Comment on "The mathematical origins of the kinetic compensation effect" Parts 1 and 2 by P. J. Barrie, <i>Phys. Chem. Chem. Phys.</i> , 2012, 14, 318 and 327. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8232.	2.8	34
44	<i>In vitro</i> biocompatibility assessment of functionalized magnetite nanoparticles: Biological and cytotoxicological effects. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1637-1646.	4.0	40
45	X-ray Photoelectron Spectroscopic Studies of Pd Nanoparticles Deposited onto Highly Oriented Pyrolytic Graphite: Interfacial Interaction, Spectral Asymmetry, and Size Determination. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7896-7905.	3.1	46
46	Surface Chemistry and Thermal Stability of Fe Nanoparticles Annealed under Ultrahigh-Vacuum Conditions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12972-12980.	3.1	5
47	pH-Triggered Doxorubicin Delivery Based on Hollow Nanoporous Silica Nanoparticles with Free-Standing Superparamagnetic Fe ₃ O ₄ Cores. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1436-1443.	3.1	62
48	Multi-Excitation Entropy, Entropy-Enthalpy Relations, and their Impact on Catalysis. <i>Catalysis Letters</i> , 2011, 141, 954-957.	2.6	15
49	The Effect of Deposition Rate on the Morphology of Fe Nanoparticles on Highly Oriented Pyrolytic Graphite, As Studied by X-ray Photoelectron Spectroscopy and Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1524-1534.	3.1	1
50	Chemical and morphological characterizations of CoNi alloy nanoparticles formed by co-evaporation onto highly oriented pyrolytic graphite. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 16-21.	9.4	17
51	Confirmation of X-ray Photoelectron Spectroscopy Peak Attributions of Nanoparticulate Iron Oxides, Using Symmetric Peak Component Line Shapes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10711-10718.	3.1	168
52	Asymmetries in Transition Metal XPS Spectra: Metal Nanoparticle Structure, and Interaction with the Graphene-Structured Substrate Surface. <i>Langmuir</i> , 2010, 26, 3807-3814.	3.5	39
53	Stabilization of platinum nanoparticles on graphene by non-invasive functionalization. <i>Carbon</i> , 2009, 47, 2233-2238.	10.3	16
54	The unexpected formation of Au ¹⁺ -Si ¹⁺ by the resonance neutralization of Ar ⁺ during the low energy bombardment of Au nanoparticles on c-Si. <i>Applied Surface Science</i> , 2009, 255, 6870-6874.	6.1	0

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55	Characterization and Oxidation of Fe Nanoparticles Deposited onto Highly Oriented Pyrolytic Graphite, Using X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6418-6425.	3.1	37
56	Template- and Surfactant-free Room Temperature Synthesis of Self-Assembled 3D Pt Nanoflowers from Single-Crystal Nanowires. <i>Advanced Materials</i> , 2008, 20, 571-574.	21.0	232
57	The surface analytical characterization of carbon fibers functionalized by H ₂ SO ₄ /HNO ₃ treatment. <i>Carbon</i> , 2008, 46, 196-205.	10.3	494
58	Formation of a Porous Platinum Nanoparticle Froth for Electrochemical Applications, Produced without Templates, Surfactants, or Stabilizers. <i>Chemistry of Materials</i> , 2008, 20, 4677-4681.	6.7	27
59	A Facile Route for the Self-Organized High-Density Decoration of Pt Nanoparticles on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11717-11721.	3.1	46
60	Strongly Enhanced Interaction between Evaporated Pt Nanoparticles and Functionalized Multiwalled Carbon Nanotubes via Plasma Surface Modifications: Effects of Physical and Chemical Defects. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4075-4082.	3.1	79
61	Adhesion to Tooth Structure Mediated by Contemporary Bonding Systems. <i>Dental Clinics of North America</i> , 2007, 51, 677-694.	1.8	23
62	Synthesis and Characterization of Platinum Nanowire-Carbon Nanotube Heterostructures. <i>Chemistry of Materials</i> , 2007, 19, 6376-6378.	6.7	100
63	Structure and Morphology of Co Nanoparticles Deposited onto Highly Oriented Pyrolytic Graphite. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17200-17205.	3.1	25
64	X-ray Photoelectron Spectroscopic Analysis of Pt Nanoparticles on Highly Oriented Pyrolytic Graphite, Using Symmetric Component Line Shapes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 565-570.	3.1	90
65	Core/Shell Formation of Gold Nanoparticles Induced on Exposure to N,N-Dimethylformamide: Chemical and Morphological Changes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14320-14326.	3.1	1
66	Accurate Assembly and Size Control of Cu Nanoparticles into Nanowires by Contact Atomic Force Microscope-Based Nanopositioning. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10105-10109.	3.1	5
67	Carbon 1s X-ray Photoemission Line Shape Analysis of Highly Oriented Pyrolytic Graphite: The Influence of Structural Damage on Peak Asymmetry. <i>Langmuir</i> , 2006, 22, 860-862.	3.5	145
68	XPS Demonstration of π - π Interaction between Benzyl Mercaptan and Multiwalled Carbon Nanotubes and Their Use in the Adhesion of Pt Nanoparticles. <i>Chemistry of Materials</i> , 2006, 18, 5033-5038.	6.7	138
69	Evidence of the Interaction of Evaporated Pt Nanoparticles with Various Treated Surfaces of Highly Oriented Pyrolytic Graphite. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8348-8356.	2.6	55
70	Platinum Nanoparticle Interaction with Chemically Modified Highly Oriented Pyrolytic Graphite Surfaces. <i>Chemistry of Materials</i> , 2006, 18, 1811-1816.	6.7	42
71	Electrophoretic separation of aniline derivatives using fused silica capillaries coated with acid treated single-walled carbon nanotubes. <i>Journal of Chromatography A</i> , 2005, 1074, 187-194.	3.7	70
72	Microscale chemical and electrostatic surface patterning of Dow Cyclotene by N ₂ plasma. <i>Applied Surface Science</i> , 2005, 242, 419-427.	6.1	1

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73	The surface modification of nanoporous SiO _x thin films with a monofunctional organosilane. <i>Applied Surface Science</i> , 2005, 252, 1197-1201.	6.1	13
74	The creation of Au nanoscale surface patterns by the low energy Ar ⁺ beam irradiation of Au clusters evaporated onto a SiO ₂ /Si surface. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 575-579.	2.3	4
75	Femtosecond laser ablation of gold in water: influence of the laser-produced plasma on the nanoparticle size distribution. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 753-758.	2.3	179
76	A mediatorless biosensor for putrescine using multiwalled carbon nanotubes. <i>Analytical Biochemistry</i> , 2005, 336, 305-311.	2.4	49
77	Photoacoustic Fourier transform infrared spectroscopy of nanoporous SiO ₂ /Si thin films with varying porosities. <i>Journal of Applied Physics</i> , 2005, 98, 114310.	2.5	12
78	Controlled Chemical Functionalization of Multiwalled Carbon Nanotubes by Kiloelectronvolt Argon Ion Treatment and Air Exposure. <i>Langmuir</i> , 2005, 21, 8539-8545.	3.5	70
79	Oxidation, Deformation, and Destruction of Carbon Nanotubes in Aqueous Ceric Sulfate. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1400-1407.	2.6	38
80	Functionalization of Multiwalled Carbon Nanotubes by Mild Aqueous Sonication. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7788-7794.	2.6	129
81	Nanocalorimetric investigation of light-induced metastable defects in hydrogenated amorphous silicon. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 3630-3633.	3.1	1
82	Spectroscopic Evidence for π - π Interaction between Poly(diallyl dimethylammonium) Chloride and Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4481-4484.	2.6	265
83	Surface Diffusion and Coalescence of Mobile Metal Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9703-9711.	2.6	343
84	Interaction of Evaporated Nickel Nanoparticles with Highly Oriented Pyrolytic Graphite: Back-bonding to Surface Defects, as Studied by X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19329-19334.	2.6	37
85	Excimer laser manipulation and patterning of gold nanoparticles on the SiO ₂ /Si surface. <i>Journal of Applied Physics</i> , 2004, 95, 5023-5026.	2.5	23
86	Optical breakdown processing: Influence of the ambient gas on the properties of the nanostructured Si-based layers formed. <i>Journal of Applied Physics</i> , 2004, 95, 5722-5728.	2.5	14
87	Surface plasmons in Drude metals. <i>Surface Science</i> , 2004, 569, 47-55.	1.9	23
88	The early stages of silicon surface damage induced by pulsed CO ₂ laser radiation: an AFM study. <i>Applied Surface Science</i> , 2004, 222, 365-373.	6.1	8
89	Stabilization and Size Control of Gold Nanoparticles during Laser Ablation in Aqueous Cyclodextrins. <i>Journal of the American Chemical Society</i> , 2004, 126, 7176-7177.	13.7	335
90	Surface Chemistry of Gold Nanoparticles Produced by Laser Ablation in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16864-16869.	2.6	564

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91	A spectroscopic study of CN _x formation by the keV N ₂ ⁺ irradiation of highly oriented pyrolytic graphite surfaces. <i>Surface Science</i> , 2003, 531, 185-198.	1.9	19
92	The manipulation of Cu cluster dimensions on highly oriented pyrolytic graphite surfaces by low energy ion beam irradiation. <i>Surface Science</i> , 2003, 536, 67-74.	1.9	11
93	The applicability of angle-resolved XPS to the characterization of clusters on surfaces. <i>Surface Science</i> , 2003, 536, 139-144.	1.9	22
94	Cu cluster adhesion enhancement on the modified Dow Cyclotene surface through low energy N ₂ ⁺ beam irradiation at grazing angles. <i>Applied Surface Science</i> , 2003, 207, 1-5.	6.1	8
95	Local surface cleaning and cluster assembly using contact mode atomic force microscopy. <i>Applied Surface Science</i> , 2003, 210, 158-164.	6.1	9
96	The quantitative correlation of nanoscopic and macroscopic measurements of adhesion: copper clusters on a low-permittivity polymer. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 7097-7100.	1.8	7
97	s ² p Hybridization in highly oriented pyrolytic graphite and its change on surface modification, as studied by X-ray photoelectron and Raman spectroscopies. <i>Surface Science</i> , 2002, 504, 125-137.	1.9	111
98	The surface modification of Dow Cyclotene by low energy N ₂ ⁺ beams and its effect on the adhesion of evaporated Cu films. <i>Applied Surface Science</i> , 2002, 195, 202-213.	6.1	4
99	Ar ⁺ -induced surface defects on HOPG and their effect on the nucleation, coalescence and growth of evaporated copper. <i>Surface Science</i> , 2002, 516, 43-55.	1.9	61
100	Initial- and final-state effects on metal cluster/substrate interactions, as determined by XPS: copper clusters on Dow Cyclotene and highly oriented pyrolytic graphite. <i>Applied Surface Science</i> , 2002, 195, 187-195.	6.1	60
101	The Study of Copper Clusters on Dow Cyclotene and Their Stability. , 2002, , 97-105.		5
102	Coalescence kinetics of copper clusters on highly oriented pyrolytic graphite and Dow Cyclotene, as determined by x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2001, 90, 4768-4771.	2.5	25
103	Structural changes in amorphous silicon studied by X-ray photoemission spectroscopy: a phenomenon independent of the Staebler-Wronski effect?. <i>Journal of Non-Crystalline Solids</i> , 2001, 282, 165-172.	3.1	10
104	The estimation of the average dimensions of deposited clusters from XPS emission intensity ratios. <i>Applied Surface Science</i> , 2001, 173, 134-139.	6.1	39
105	Nitrogen plasma treatment of the dow Cyclotene 3022 surface and its reaction with evaporated copper. <i>Applied Surface Science</i> , 2001, 177, 85-95.	6.1	31
106	The enhancement of the adhesion of copper layers to Dow Cyclotene 3022 through metal sputtering. <i>Applied Surface Science</i> , 2001, 180, 200-208.	6.1	12
107	The copper/plasma-polymerized octofluorocyclobutane interface. <i>Polymer</i> , 2001, 42, 4299-4307.	3.8	23
108	A photoacoustic FTIRS study of the chemical modifications of human dentin surfaces:. <i>Biomaterials</i> , 2001, 22, 793-797.	11.4	74

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109	A photoacoustic FTIRS study of the chemical modifications of human dentin surfaces: I. Demineralization. <i>Biomaterials</i> , 2001, 22, 787-792.	11.4	48
110	Argon ion treatment of the Dow Cyclotene 3022 surface and its effect on the adhesion of evaporated copper. <i>Applied Surface Science</i> , 2001, 173, 30-39.	6.1	21
111	Quantitative assessment of surface roughness as measured by AFM: application to polished human dentin. <i>Applied Surface Science</i> , 2001, 183, 205-215.	6.1	45
112	Fluorine incorporation in plasma-polymerized octofluorocyclobutane, hexafluoropropylene and trifluoroethylene. <i>Polymer</i> , 2001, 42, 3761-3769.	3.8	77
113	A tapping mode AFM study of collapse and denaturation in dentinal collagen. <i>Dental Materials</i> , 2001, 17, 284-288.	3.5	63
114	The surface structure of Dow Cyclotene 3022, as determined by photoacoustic FTIR, confocal Raman and photoelectron spectroscopies. <i>Applied Surface Science</i> , 2000, 165, 15-22.	6.1	22
115	Interfacial reaction between evaporated copper and Dow Cyclotene 3022. <i>Applied Surface Science</i> , 2000, 165, 116-126.	6.1	24
116	The modeling of excimer laser particle removal from hydrophilic silicon surfaces. <i>Journal of Applied Physics</i> , 2000, 87, 3618-3627.	2.5	44
117	The effects of hydrogen bonds on the adhesion of inorganic oxide particles on hydrophilic silicon surfaces. <i>Journal of Applied Physics</i> , 1999, 86, 1744-1748.	2.5	56
118	The cleaning and thiolation of commercial titanium for use in dental prostheses. <i>Applied Surface Science</i> , 1999, 143, 238-244.	6.1	4
119	Plasma Surface Modification of Fluoropolymers Studied by ToF-SIMS. <i>Plasmas and Polymers</i> , 1999, 4, 97-111.	1.5	5
120	The Surface Modification of Pure Cellulose Paper Induced by Low-Pressure Nitrogen Plasma Treatment. <i>Plasmas and Polymers</i> , 1998, 3, 61-76.	1.5	37
121	Photodegradation of teflon AF1600 during XPS analysis. <i>Journal of Applied Polymer Science</i> , 1998, 70, 1201-1207.	2.6	13
122	Moisture-dependent renaturation of collagen in phosphoric acid etched human dentin. , 1998, 42, 549-553.		36
123	Laser-induced metal-organic chemical vapor deposition (MOCVD) of Cu(hfac)(TMVS) on amorphous Teflon AF1600: an XPS study of the interface. <i>Applied Surface Science</i> , 1998, 126, 198-204.	6.1	15
124	X-ray photoelectron spectroscopy studies of the evaporated aluminum/corona-treated polyethylene terephthalate interface. <i>Applied Surface Science</i> , 1998, 135, 339-349.	6.1	41
125	Angle-resolved x-ray photoelectron spectroscopy comparison of copper/Teflon AF1600 and aluminum/Kapton metal diffusion. <i>Journal of Applied Physics</i> , 1998, 83, 108-111.	2.5	18
126	Laser induced deposition of tungsten and copper. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1997, 45, 200-207.	3.5	8

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127	Copper metallization of Teflon AF1600, using evaporation and sputtering, for multilevel interconnect devices. <i>Microelectronic Engineering</i> , 1997, 33, 217-221.	2.4	14
128	CO ₂ laser-assisted particle removal from silicon surfaces. <i>Canadian Journal of Physics</i> , 1996, 74, 95-99.	1.1	1
129	CO ₂ laser-assisted removal of submicron particles from solid surfaces. <i>Journal of Applied Physics</i> , 1996, 79, 2857-2862.	2.5	39
130	Angle-resolved XPS study of plasma-treated teflon PFA surfaces. <i>Surface and Interface Analysis</i> , 1995, 23, 99-104.	1.8	47
131	Excimer laser-induced deposition of copper from Cu(hfac) (TMVS). <i>Applied Surface Science</i> , 1995, 86, 509-513.	6.1	23
132	A multitechnique analysis of the outermost layers of the Teflon PFA surface. <i>Applied Surface Science</i> , 1995, 84, 227-235.	6.1	12
133	Metallization of polythiophenes II. Interaction of vapor-deposited Cr, V and Ti with poly(3-hexylthiophene) (P3HT). <i>Synthetic Metals</i> , 1995, 72, 73-80.	3.9	44
134	Metallization of polythiophenes III. Interaction of vapor-deposited Cu and Ni with poly(3-octyloxy-methylthiophene) (P3O4MT). <i>Synthetic Metals</i> , 1995, 72, 81-88.	3.9	10
135	Metallization of polythiophenes IV. Interaction of vapor-deposited Cu and Ni with poly[3-(1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorononyl)thiophene] (P3TT). <i>Synthetic Metals</i> , 1995, 75, 195-200.	3.9	9
136	A theoretical investigation of the interactions between thiophene and vanadium, chromium, copper, and gold. <i>Journal of Chemical Physics</i> , 1995, 102, 6153-6158.	3.0	71
137	Letter to the Editor. <i>Journal of Dental Research</i> , 1994, 73, 584-585.	5.2	1
138	Metallization of conjugated polymers: x-ray photoelectron spectroscopy and density functional theory. , 1994, , .		0
139	Fluoropolymer surface modification for enhanced evaporated metal adhesion. <i>Journal of Adhesion Science and Technology</i> , 1994, 8, 1129-1141.	2.6	63
140	The Effect of Conditioning on Adhesion to Human Dentin. <i>Journal of Adhesion</i> , 1994, 47, 133-149.	3.0	9
141	Metallization of Teflon PFA. I. Interactions of evaporated Cr and Al measured by x-ray photoelectron spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 29-34.	2.1	41
142	The Au/Si(100) (1 Å– 1)-H interface, as studied by XPS and AFM: a model of the interfacial reaction. <i>Applied Surface Science</i> , 1994, 78, 399-411.	6.1	9
143	Electronegativity-based predictions on the fitting of the C 1s X-ray photoelectron spectrum of PMMA. <i>Applied Surface Science</i> , 1994, 74, 129-130.	6.1	5
144	Fluoropolymer metallization for microelectronic applications. <i>Progress in Surface Science</i> , 1994, 47, 273-300.	8.3	125

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