David G Castner

List of Publications by Year
in descending order

132	10,781	31949	30894
papers	citations	53 h-index	102 g-index

137	137	137	11513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	XPS and ToFâ€SIMS Characterization of New Biodegradable Poly(Peptideâ€Urethaneâ€Urea) Block Copolymers. Advanced Healthcare Materials, 2022, 11, e2100894.	3.9	3
2	Utilization of chromogenic enzyme substrates for signal amplification in multiplexed detection of biomolecules using surface mass spectrometry. Sensors and Actuators B: Chemical, 2021, 332, 129452.	4.0	9
3	Developments and Ongoing Challenges for Analysis of Surface-Bound Proteins. Annual Review of Analytical Chemistry, 2021, 14, 389-412.	2.8	11
4	Preparation of nanoparticles for surface analysis. , 2020, , 295-347.		4
5	Surface analysis tools for characterizing biological materials. Chemical Society Reviews, 2020, 49, 3278-3296.	18.7	9
6	Characterizing protein G B1 orientation and its effect on immunoglobulin G antibody binding using XPS, ToF-SIMS, and quartz crystal microbalance with dissipation monitoring. Biointerphases, 2020, 15, 021002.	0.6	15
7	Surface Properties and Surface Characterization of Biomaterials. , 2020, , 53-75.		6
8	Polymer surface analysis: The leadership and contributions of David Briggs. Surface and Interface Analysis, 2020, 52, 1122-1127.	0.8	1
9	Long-term hydrolytic degradation study of polycaprolactone films and fibers grafted with poly(sodium styrene sulfonate): Mechanism study and cell response. Biointerphases, 2020, 15, 061006.	0.6	20
10	Versailles Project on Advanced Materials and Standards interlaboratory study on intensity calibration for x-ray photoelectron spectroscopy instruments using low-density polyethylene. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 063208.	0.9	21
11	Evaluation of surface layer stability of surface-modified polyester biomaterials. Biointerphases, 2020, 15, 061010.	0.6	6
12	Analysis of early cellular responses of anterior cruciate ligament fibroblasts seeded on different molecular weight polycaprolactone films functionalized by a bioactive poly(sodium styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 T	0.6	16
13	A versatile catalyst-free perfluoroaryl azideâ€“aldehydeâ€“amine conjugation reaction. Materials Chemistry Frontiers, 2019, 3, 251-256.	3.2	14
14	Vibrational Sum-Frequency Scattering as a Sensitive Approach to Detect Structural Changes in Collagen Fibers Treated with Surfactants. Langmuir, 2019, 35, 7848-7857.	1.6	5
15	Nonlinear Optical Methods for Characterization of Molecular Structure and Surface Chemistry. Topics in Catalysis, 2018, 61, 1101-1124.	1.3	16
16	Surface analysis: From single crystals to biomaterials. Surface and Interface Analysis, 2018, 50, 981-990.	0.8	7
17	Operando Sum-Frequency Generation Detection of Electrolyte Redox Products at Active Si Nanoparticle Li-Ion Battery Interfaces. Chemistry of Materials, 2018, 30, 1239-1248.	3.2	30
18	Grafting of Bioactive Polymers with Various Architectures: A Versatile Tool for Preparing Antibacterial Infection and Biocompatible Surfaces. ACS Applied Materials & Interfaces, 2018, 10, 1480-1491.	4.0	31

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19	Biomedical surface analysis: Celebrating NESAC/Bio's 35th anniversary. Biointerphases, 2018, 13, 06E101.	0.6	0
20	Structure of von Willebrand factor A1 on polystyrene determined from experimental and calculated sum frequency generation spectra. Biointerphases, 2018, 13, 06E411.	0.6	9
21	Stabilization of dry protein coatings with compatible solutes. Biointerphases, 2018, 13, 06E401.	0.6	8
22	Grafting of architecture controlled poly(styrene sodium sulfonate) onto titanium surfaces using bio-adhesive molecules: Surface characterization and biological properties. Biointerphases, 2017, 12, 02C418.	0.6	21
23	Biomedical surface analysis: Evolution and future directions (Review). Biointerphases, 2017, 12, 02C301.	0.6	41
24	Predicting the orientation of protein G B1 on hydrophobic surfaces using Monte Carlo simulations. Biointerphases, 2017, 12, 02D401.	0.6	23
25	Orientation and conformation of osteocalcin adsorbed onto calcium phosphate and silica surfaces. Biointerphases, 2017, 12, 02D411.	0.6	10
26	Characterization of Protein G B1 Immobilized Gold Nanoparticles using Time of Flight Secondary Ion Mass Spectrometry and X-ray Photoelectron Spectroscopy. Microscopy and Microanalysis, 2016, 22, 346-347.	0.2	1
27	Multitechnique characterization of oligo(ethylene glycol) functionalized gold nanoparticles. Biointerphases, 2016, 11, 04B304.	0.6	12
28	Candle soot-based super-amphiphobic coatings resist protein adsorption. Biointerphases, 2016, 11, 031007.	0.6	20
29	Differential surface activation of the A1 domain of von Willebrand factor. Biointerphases, 2016, 11, 029803.	0.6	9
30	Use of XPS to Quantify Thickness of Coatings on Nanoparticles. Microscopy Today, 2016, 24, 40-45.	0.2	14
31	ToF-SIMS and XPS Characterization of Protein Films Adsorbed onto Bare and Sodium Styrenesulfonate-Grafted Gold Substrates. Langmuir, 2016, 32, 3207-3216.	1.6	45
32	Versailles Project on Advanced Materials and Standards Interlaboratory Study on Measuring the Thickness and Chemistry of Nanoparticle Coatings Using XPS and LEIS. Journal of Physical Chemistry C, 2016, 120, 24070-24079.	1.5	33
33	Three-dimensional localization of polymer nanoparticles in cells using ToF-SIMS. Biointerphases, 2016, 11, 02A304.	0.6	19
34	A technique for calculation of shell thicknesses for coreâ€“shellâ€“shell nanoparticles from XPS data. Surface and Interface Analysis, 2016, 48, 274-282.	0.8	30
35	Quantifying the Impact of Nanoparticle Coatings and Nonuniformities on XPS Analysis: Gold/Silver Coreâ€“Shell Nanoparticles. Analytical Chemistry, 2016, 88, 3917-3925.	3.2	55
36	Thickness Mismatch of Coexisting Liquid Phases in Noncanonical Lipid Bilayers. Journal of Physical Chemistry B, 2016, 120, 2761-2770.	1.2	35

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37	Direct characterization of polymer encapsulated CdSe/CdS/ZnS quantum dots. Surface Science, 2016, 648, 339-344.	0.8	23
38	Analysis of the surface density and reactivity of perfluorophenylazide and the impact on ligand immobilization. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 021407.	0.9	4
39	Experimental design and analysis of activators regenerated by electron transfer-atom transfer radical polymerization experimental conditions for grafting sodium styrene sulfonate from titanium substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 05E131.	0.9	9
40	Reconstructing accurate ToF-SIMS depth profiles for organic materials with differential sputter rates. Analyst, The, 2015, 140, 6005-6014.	1.7	20
41	The grafting of a thin layer of poly(sodium styrene sulfonate) onto poly(Îµ-caprolactone) surface can enhance fibroblast behavior. Journal of Materials Science: Materials in Medicine, 2015, 26, 206.	1.7	28
42	Grafting titanium nitride surfaces with sodium styrene sulfonate thin films. Biointerphases, 2014, 9, 031001.	0.6	6
43	X-ray Photoelectron Spectroscopy Investigation of the Nitrogen Species in Photoactive Perfluorophenylazide-Modified Surfaces. Journal of Physical Chemistry C, 2014, 118, 376-383.	1.5	106
44	Characterization of sample preparation methods of NIH/3T3 fibroblasts for ToF-SIMS analysis. Biointerphases, 2013, 8, 15.	0.6	27
45	Sodium Dodecyl Sulfate Adsorption onto Positively Charged Surfaces: Monolayer Formation With Opposing Headgroup Orientations. Langmuir, 2013, 29, 12710-12719.	1.6	39
46	Surface initiated atom transfer radical polymerization grafting of sodium styrene sulfonate from titanium and silicon substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, 06F103.	0.9	8
47	SFG analysis of surface bound proteins: a route towards structure determination. Physical Chemistry Chemical Physics, 2013, 15, 12516.	1.3	75
48	The effect of polystyrene sodium sulfonate grafting on polyethylene terephthalate artificial ligaments on inÂvitro mineralisation and inÂvivo bone tissue integration. Biomaterials, 2013, 34, 7048-7063.	5.7	72
49	TOF-SIMS 3D Imaging of Native and Non-Native Species within HeLa Cells. Analytical Chemistry, 2013, 85, 10869-10877.	3.2	75
50	Lowâ€energy ion scattering: Determining overlayer thickness for functionalized gold nanoparticles. Surface and Interface Analysis, 2013, 45, 1737-1741.	0.8	33
51	Characterizing the Structure of Surface-Immobilized Proteins: A Surface Analysis Approach. ACS Symposium Series, 2012, , 761-779.	0.5	1
52	Multivariate Analysis of ToF-SIMS Data from Multicomponent Systems: The Why, When, and How. Biointerphases, 2012, 7, 49.	0.6	173
53	Exploring the Surface Sensitivity of TOF-Secondary Ion Mass Spectrometry by Measuring the Implantation and Sampling Depths of Bi_n and C₆₀ Ions in Organic Films. Analytical Chemistry, 2012, 84, 365-372.	3.2	64
54	Probing the Orientation of Electrostatically Immobilized Protein G B1 by Time-of-Flight Secondary Ion Spectrometry, Sum Frequency Generation, and Near-Edge X-ray Adsorption Fine Structure Spectroscopy. Langmuir, 2012, 28, 2107-2112.	1.6	52

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55	Direct Observation of Phenylalanine Orientations in Statherin Bound to Hydroxyapatite Surfaces. Journal of the American Chemical Society, 2012, 134, 8750-8753.	6.6	39
56	ToF-SIMS Depth Profiling of Cells:z-Correction, 3D Imaging, and Sputter Rate of Individual NIH/3T3 Fibroblasts. Analytical Chemistry, 2012, 84, 4880-4885.	3.2	101
57	Multitechnique Characterization of Self-Assembled Carboxylic Acid-Terminated Alkanethiol Monolayers on Nanoparticle and Flat Gold Surfaces. Journal of Physical Chemistry C, 2011, 115, 9432-9441.	1.5	94
58	ToF-SIMS Analysis of Adsorbed Proteins: Principal Component Analysis of the Primary Ion Species Effect on the Protein Fragmentation Patterns. Journal of Physical Chemistry C, 2011, 115, 24247-24255.	1.5	70
59	Method for Determining the Elemental Composition and Distribution in Semiconductor Coreâ˜Shell Quantum Dots. Analytical Chemistry, 2011, 83, 866-873.	3.2	41
60	Simulation and Modeling of Self-Assembled Monolayers of Carboxylic Acid Thiols on Flat and Nanoparticle Gold Surfaces. Analytical Chemistry, 2011, 83, 6704-6712.	3.2	73
61	X-ray photoelectron spectroscopy characterization of gold nanoparticles functionalized with amine-terminated alkanethiols. Biointerphases, 2011, 6, 98-104.	0.6	70
62	ToFâ€SIMS imaging and depth profiling of HeLa cells treated with bromodeoxyuridine. Surface and Interface Analysis, 2011, 43, 354-357.	0.8	47
63	ToFâ€SIMS depth profiling of trehalose: the effect of analysis beam dose on the quality of depth profiles. Surface and Interface Analysis, 2011, 43, 58-61.	0.8	25
64	Simultaneous Modification of Bottomâ€Contact Electrode and Dielectric Surfaces for Organic Thinâ€Film Transistors Through Singleâ€Component Spinâ€Cast Monolayers. Advanced Functional Materials, 2011, 21, 1476-1488.	7.8	76
65	COOH-terminated SAMs on gold fabricated from an azobenzene derivative with a 1,2-dithiolane headgroup. Applied Surface Science, 2010, 256, 1832-1836.	3.1	11
66	Sum frequency generation and solid-state NMR study of the structure, orientation, and dynamics of polystyrene-adsorbed peptides. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13288-13293.	3.3	129
67	Probing the Orientation of Surface-Immobilized Protein G B1 Using ToF-SIMS, Sum Frequency Generation, and NEXAFS Spectroscopy. Langmuir, 2010, 26, 16434-16441.	1.6	83
68	XPS and ToF-SIMS Investigation of Î±-Helical and Î²-Strand Peptide Adsorption onto SAMs. Langmuir, 2010, 26, 3423-3432.	1.6	58
69	Immobilized Antibody Orientation Analysis Using Secondary Ion Mass Spectrometry and Fluorescence Imaging of Affinity-Generated Patterns. Analytical Chemistry, 2010, 82, 2947-2958.	3.2	75
70	Probing the Orientation and Conformation of Î±-Helix and Î²-Strand Model Peptides on Self-Assembled Monolayers Using Sum Frequency Generation and NEXAFS Spectroscopy. Langmuir, 2010, 26, 3433-3440.	1.6	124
71	Multitechnique characterization of adsorbed peptide and protein orientation: LK310 and Protein G B1. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C5D1-C5D8.	0.6	25
72	Low-voltage high-performance organic thin film transistors with a thermally annealed polystyrene/hafnium oxide dielectric. Applied Physics Letters, 2009, 95, .	1.5	26

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73	Affinityâ€Based Protein Surface Pattern Formation by Ligand Selfâ€Selection from Mixed Protein Solutions. Advanced Functional Materials, 2009, 19, 3046-3055.	7.8	49
74	Hydration of Sulphobetaine and Tetra(ethylene glycol)-Terminated Self-Assembled Monolayers Studied by Sum Frequency Generation Vibrational Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 11550-11556.	1.2	36
75	A Solid-State Deuterium NMR and Sum-Frequency Generation Study of the Side-Chain Dynamics of Peptides Adsorbed onto Surfaces. Journal of the American Chemical Society, 2009, 131, 14148-14149.	6.6	40
76	Amide or Amine: Determining the Origin of the 3300 cm^{â^'1} NH Mode in Protein SFG Spectra Using ¹⁵N Isotope Labels. Journal of Physical Chemistry B, 2009, 113, 15423-15426.	1.2	57
77	Pulsedâ€Plasmaâ€Induced Micropatterning with Alternating Hydrophilic and Hydrophobic Surface Chemistries. Plasma Processes and Polymers, 2008, 5, 129-145.	1.6	28
78	Plasmaâ€Modified PTFE for Biological Applications: Correlation between Proteinâ€Resistant Properties and Surface Characteristics. Plasma Processes and Polymers, 2008, 5, 661-671.	1.6	59
79	Structure and DNA Hybridization Properties of Mixed Nucleic Acid/Maleimideâ^'Ethylene Glycol Monolayers. Analytical Chemistry, 2007, 79, 4390-4400.	3.2	94
80	Multivariate analysis strategies for processing ToF-SIMS images of biomaterials. Biomaterials, 2007, 28, 2412-2423.	5.7	176
81	Adsorption of genetically engineered proteins studied by time-of-flight secondary ion mass spectrometry (TOF-SIMS). Part A: data acquisition and principal component analysis (PCA). Surface and Interface Analysis, 2007, 39, 419-426.	0.8	8
82	Mixed DNA/oligo (ethylene glycol) functionalized gold surfaces improve DNA hybridization in complex media. Biointerphases, 2006, 1, 82-92.	0.6	50
83	Hybridization Behavior of Mixed DNA/Alkylthiol Monolayers on Gold:â€‰ Characterization by Surface Plasmon Resonance and 32P Radiometric Assay. Analytical Chemistry, 2006, 78, 3326-3334.	3.2	134
84	Surface Coverage and Structure of Mixed DNA/Alkylthiol Monolayers on Gold:â€‰ Characterization by XPS, NEXAFS, and Fluorescence Intensity Measurements. Analytical Chemistry, 2006, 78, 3316-3325.	3.2	264
85	Effects of oxygen plasma treatment on the surface of bisphenol A polycarbonate: a study using SIMS, principal component analysis, ellipsometry, XPS and AFM nanoindentation. Surface and Interface Analysis, 2006, 38, 1186-1197.	0.8	60
86	Advances in time-of-flight secondary ion mass spectrometry analysis of protein films. Surface and Interface Analysis, 2006, 38, 1386-1392.	0.8	70
87	A Plasma-Deposited Surface for Cell Sheet Engineering: Advantages over Mechanical Dissociation of Cells. Plasma Processes and Polymers, 2006, 3, 516-523.	1.6	34
88	Information from complexity: Challenges of TOF-SIMS data interpretation. Applied Surface Science, 2006, 252, 6860-6868.	3.1	153
89	High-Affinity Interaction between Fibronectin and the Group B Streptococcal C5a Peptidase Is Unaffected by a Naturally Occurring Four-Amino-Acid Deletion That Eliminates Peptidase Activity. Infection and Immunity, 2006, 74, 5739-5746.	1.0	29
90	Antigen Binding Forces of Single Antilysozyme Fv Fragments Explored by Atomic Force Microscopy. Langmuir, 2005, 21, 5517-5523.	1.6	105

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91	Influence of PEG Architecture on Protein Adsorption and Conformation. Langmuir, 2005, 21, 12327-12332.	1.6	312
92	Probing the Orientation of Surface-Immobilized Immunoglobulin G by Time-of-Flight Secondary Ion Mass Spectrometry. Langmuir, 2004, 20, 1877-1887.	1.6	152
93	Maximizing information obtained from secondary ion mass spectra of organic thin films using multivariate analysis. Surface Science, 2004, 570, 78-97.	0.8	144
94	Preserving the structure of adsorbed protein films for time-of-flight secondary ion mass spectrometry analysis. Journal of Biomedical Materials Research Part B, 2003, 67A, 179-190.	3.0	56
95	Characterizing multicomponent adsorbed protein films using electron spectroscopy for chemical analysis, time-of-flight secondary ion mass spectrometry, and radiolabeling: capabilities and limitations. Biomaterials, 2003, 24, 1897-1908.	5.7	107
96	Time-of-flight secondary ion mass spectrometry: techniques and applications for the characterization of biomaterial surfaces. Biomaterials, 2003, 24, 3635-3653.	5.7	377
97	Denoising and multivariate analysis of time-of-flight SIMS images. Surface and Interface Analysis, 2003, 35, 640-648.	0.8	48
98	Characterization of the Structure of Binary and Ternary Adsorbed Protein Films Using Electron Spectroscopy for Chemical Analysis, Time-of-Flight Secondary Ion Mass Spectrometry, and Radiolabelingâ€. Langmuir, 2003, 19, 1708-1715.	1.6	73
99	Covalent Coupling and Characterization of Supported Lipid Layers. Langmuir, 2003, 19, 8316-8324.	1.6	25
100	Effect of added metal chelating organosilane on mesoporous titanosilicate formation properties. Dalton Transactions, 2003, , 3398.	1.6	4
101	PEO-like plasma polymerized tetraglyme surface interactions with leukocytes and proteins: in vitro and in vivo studies. Journal of Biomaterials Science, Polymer Edition, 2002, 13, 367-390.	1.9	286
102	Time-of-Flight Secondary Ion Mass Spectrometry Analysis of Conformational Changes in Adsorbed Protein Films. Langmuir, 2002, 18, 4090-4097.	1.6	103
103	Interpretation of Static Time-of-Flight Secondary Ion Mass Spectra of Adsorbed Protein Films by Multivariate Pattern Recognition. Analytical Chemistry, 2002, 74, 1824-1835.	3.2	98
104	Functionalized Poly(ethylene glycol)-Grafted Polysiloxane Monolayers for Control of Protein Binding. Langmuir, 2002, 18, 3255-3262.	1.6	67
105	Characterization of a Cysteine-Containing Peptide Tether Immobilized onto a Gold Surface. Langmuir, 2002, 18, 4898-4902.	1.6	36
106	Biomedical surface science: Foundations to frontiers. Surface Science, 2002, 500, 28-60.	0.8	1,205
107	Characterization of sequentially grafted polysaccharide coatings using time-of-flight secondary ion mass spectrometry (ToF-SIMS) and principal component analysis (PCA). Surface and Interface Analysis, 2002, 33, 924-931.	0.8	21
108	Surface Analysis of Disbonded Titanium/Sol-Gel/Polyimide Joints. Journal of Materials Engineering and Performance, 2002, 11, 603-609.	1.2	0

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109	Surface Characterization of Mixed Self-Assembled Monolayers Designed for Streptavidin Immobilization. Langmuir, 2001, 17, 2807-2816.	1.6	190
110	Characterization of Adsorbed Protein Films by Time-of-Flight Secondary Ion Mass Spectrometry with Principal Component Analysis. Langmuir, 2001, 17, 4649-4660.	1.6	379
111	Inhibition of monocyte adhesion and fibrinogen adsorption on glow discharge plasma deposited tetraethylene glycol dimethyl ether. Journal of Biomaterials Science, Polymer Edition, 2001, 12, 961-978.	1.9	90
112	Static time-of-flight secondary ion mass spectrometry and x-ray photoelectron spectroscopy characterization of adsorbed albumin and fibronectin films. Surface and Interface Analysis, 2001, 31, 724-733.	0.8	131
113	Characterization of adsorbed protein films by time of flight secondary ion mass spectrometry. Journal of Biomedical Materials Research Part B, 2001, 57, 432-440.	3.0	156
114	Analysis of Poly(amino acids) by Static Time-of-Flight Secondary Ion Mass Spectrometry (TOF-SIMS). Surface Science Spectra, 2001, 8, 163-184.	0.3	51
115	Static timeâ€ofâ€flight secondary ion mass spectrometry and xâ€ray photoelectron spectroscopy characterization of adsorbed albumin and fibronectin films. Surface and Interface Analysis, 2001, 31, 724-733.	0.8	85
116	ESCA characterization of fluoropolymer film residue on carbon-fiber-reinforced plastic components. Surface and Interface Analysis, 2000, 29, 729-734.	0.8	11
117	Multitechnique Surface Characterization of Derivatization Efficiencies for Hydroxyl-Terminated Self-Assembled Monolayers. Langmuir, 1998, 14, 3545-3550.	1.6	65
118	X-ray Photoelectron Spectroscopy Sulfur 2p Study of Organic Thiol and Disulfide Binding Interactions with Gold Surfaces. Langmuir, 1996, 12, 5083-5086.	1.6	1,215
119	Surface analysis for biomaterials and biological systems. AIP Conference Proceedings, 1996, , .	0.3	0
120	Surface chemical composition and fibrinogen adsorption-retention of fluoropolymer films deposited from an RF glow discharge. Plasmas and Polymers, 1996, 1, 299-326.	1.5	52
121	Static Secondary Ion Mass Spectrometry and X-Ray Photoelectron Spectroscopy of Deuterium- and Methyl-Substituted Polystyrene. Applied Spectroscopy, 1991, 45, 209-217.	1.2	50
122	X-ray absorption spectroscopy and x-ray photoelectron spectroscopy studies of cobalt catalysts. 3. Sulfidation properties in hydrogen sulfide/hydrogen. The Journal of Physical Chemistry, 1991, 95, 6617-6623.	2.9	22
123	XPS O 1s binding energies for polymers containing hydroxyl, ether, ketone and ester groups. Surface and Interface Analysis, 1991, 17, 267-272.	0.8	554
124	Surface characterization of butyl methacrylate polymers by XPS and static SIMS. Surface and Interface Analysis, 1990, 15, 479-486.	0.8	88
125	Characterization of alkyl grafted polyurethane block copolymers by variable takeoff angle X-ray photoelectron spectroscopy. Journal of Biomedical Materials Research Part B, 1990, 24, 605-620.	3.0	23
126	Surface characterization of a poly(styrene/pâ€hydroxystyrene) copolymer series using xâ€ray photoelectron spectroscopy, static secondary ion mass spectrometry, and chemical derivatization techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 2274-2282.	0.9	54

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127	X-ray absorption spectroscopy, x-ray photoelectron spectroscopy, and analytical electron microscopy studies of cobalt catalysts. 2. Hydrogen reduction properties. The Journal of Physical Chemistry, 1990, 94, 819-828.	2.9	142
128	Biomolecules and surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 2306-2317.	0.9	56
129	Determining depth profiles from angle dependent xâ€ray photoelectron spectroscopy: The effects of analyzer lens aperture size and geometry. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 1646-1654.	0.9	27
130	X-ray absorption spectroscopy, x-ray photoelectron spectroscopy, and analytical electron microscopy studies of cobalt catalysts. 1. Characterization of calcined catalysts. The Journal of Physical Chemistry, 1989, 93, 3188-3194.	2.9	115
131	Surface characterization of a series of polyurethanes by X-ray photoelectron spectroscopy and contact angle methods. Journal of Biomaterials Science, Polymer Edition, 1989, 1, 191-206.	1.9	15
132	Summary Abstract: Xâ€ray photoelectron spectroscopy characterization of polymers for biomedical applications. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 964-965.	0.9	12