

# Th Strunskus

## List of Publications by Year in descending order

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203  
papers

6,932  
citations

50170

46  
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85405

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206  
docs citations

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times ranked

7940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Free Volume and Transport Properties in Highly Selective Polymer Membranes. <i>Macromolecules</i> , 2002, 35, 2071-2077.	2.2	239
2	Metal-Polymer Nanocomposites for Functional Applications. <i>Advanced Engineering Materials</i> , 2010, 12, 1177-1190.	1.6	209
3	Covalent Interlinking of an Aldehyde and an Amine on a Au(111) Surface in Ultrahigh Vacuum. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9227-9230.	7.2	191
4	Deprotonation-Driven Phase Transformations in Terephthalic Acid Self-Assembly on Cu(100). <i>Journal of Physical Chemistry B</i> , 2004, 108, 19392-19397.	1.2	156
5	Enhanced ethanol vapour sensing performances of copper oxide nanocrystals with mixed phases. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 434-448.	4.0	140
6	Layer-by-Layer Growth of Oriented Metal Organic Polymers on a Functionalized Organic Surface. <i>Langmuir</i> , 2007, 23, 7440-7442.	1.6	127
7	Conformational Adaptation and Selective Adatom Capturing of Tetrapyrrolyl-porphyrin Molecules on a Copper (111) Surface. <i>Journal of the American Chemical Society</i> , 2007, 129, 11279-11285.	6.6	122
8	Ionic Hydrogen Bonds Controlling Two-Dimensional Supramolecular Systems at a Metal Surface. <i>Chemistry - A European Journal</i> , 2007, 13, 3900-3906.	1.7	117
9	Real-Time Monitoring of Morphology and Optical Properties during Sputter Deposition for Tailoring Metal-Polymer Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13547-13556.	4.0	113
10	Tunable multiple plasmon resonance wavelengths response from multicomponent polymer-metal nanocomposite systems. <i>Applied Physics Letters</i> , 2004, 84, 2655-2657.	1.5	112
11	Free Volume Distributions in Glassy Polymer Membranes: A Comparison between Molecular Modeling and Experiments. <i>Macromolecules</i> , 2000, 33, 2242-2248.	2.2	102
12	Metal/polymer interfaces with designed morphologies. <i>Journal of Adhesion Science and Technology</i> , 2000, 14, 467-490.	1.4	97
13	Visualizing the Frontier Orbitals of a Conformationally Adapted Metalloporphyrin. <i>ChemPhysChem</i> , 2008, 9, 89-94.	1.0	96
14	Plasmonic tunable metamaterial absorber as ultraviolet protection film. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	95
15	Importance of dewetting in organic molecular-beam deposition: Pentacene on gold. <i>Applied Physics Letters</i> , 2004, 85, 398-400.	1.5	94
16	Combined STM and FTIR Characterization of Terphenylalkanethiol Monolayers on Au(111): Effect of Alkyl Chain Length and Deposition Temperature. <i>Langmuir</i> , 2006, 22, 3647-3655.	1.6	94
17	Identification of Physical and Chemical Interaction Mechanisms for the Metals Gold, Silver, Copper, Palladium, Chromium, and Potassium with Polyimide Surfaces. <i>Langmuir</i> , 1996, 12, 2712-2725.	1.6	92
18	Competition as a Design Concept: Polymorphism in Self-Assembled Monolayers of Biphenyl-Based Thiols. <i>Journal of the American Chemical Society</i> , 2006, 128, 13868-13878.	6.6	91

#	ARTICLE	IF	CITATIONS
19	Embedding of Noble Metal Nanoclusters into Polymers as a Potential Probe of the Surface Glass Transition. <i>Macromolecules</i> , 2001, 34, 1125-1127.	2.2	87
20	Polymer-metal optical nanocomposites with tunable particle plasmon resonance prepared by vapor phase co-deposition. <i>Materials Letters</i> , 2004, 58, 1530-1534.	1.3	78
21	Electronic structure of CuWO <sub>4</sub> : XPS, XES and NEXAFS studies. <i>Journal of Alloys and Compounds</i> , 2005, 389, 14-20.	2.8	76
22	Photodeposition of Au Nanoclusters for Enhanced Photocatalytic Dye Degradation over TiO <sub>2</sub> Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14983-14992.	4.0	75
23	Linear dichroism in X-ray absorption spectroscopy of strongly chemisorbed planar molecules: role of adsorption induced rehybridisations. <i>Surface Science</i> , 1995, 341, L1055-L1060.	0.8	74
24	Controlled Generation of Ni Nanoparticles in the Capping Layers of Teflon AF by Vapor-Phase Tandem Evaporation. <i>Nano Letters</i> , 2003, 3, 69-73.	4.5	72
25	Towards large-scale in free-standing graphene and N-graphene sheets. <i>Scientific Reports</i> , 2017, 7, 10175.	1.6	71
26	Coexistence of one- and two-dimensional supramolecular assemblies of terephthalic acid on Pd(111) due to self-limiting deprotonation. <i>Journal of Chemical Physics</i> , 2006, 125, 184710.	1.2	66
27	Condensation coefficients and initial stages of growth for noble metals deposited onto chemically different polymer surfaces. <i>Applied Surface Science</i> , 1999, 144-145, 355-359.	3.1	65
28	N-Graphene Nanowalls via Plasma Nitrogen Incorporation and Substitution: The Experimental Evidence. <i>Nano-Micro Letters</i> , 2020, 12, 53.	14.4	65
29	Role of Sputter Deposition Rate in Tailoring Nanogranular Gold Structures on Polymer Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5629-5637.	4.0	64
30	Resolving the depth coordinate in photoelectron spectroscopy - Comparison of excitation energy variation vs. angular-resolved XPS for the analysis of a self-assembled monolayer model system. <i>Surface Science</i> , 2008, 602, 755-767.	0.8	61
31	Fabrication of Self-Assembled Monolayers Exhibiting a Thiol-Terminated Surface. <i>Langmuir</i> , 2004, 20, 8620-8624.	1.6	60
32	Influence of Molecular Structure on Phase Transitions: A Study of Self-Assembled Monolayers of 2-(Aryl)-ethane Thiols. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16909-16919.	1.5	60
33	Formation of metal-polymer interfaces by metal evaporation: influence of deposition parameters and defects. <i>Microelectronic Engineering</i> , 2000, 50, 465-471.	1.1	59
34	A comparative study of photocatalysis on highly active columnar TiO <sub>2</sub> nanostructures in-air and in-solution. <i>Solar Energy Materials and Solar Cells</i> , 2018, 178, 170-178.	3.0	59
35	Pathways to Tailor Photocatalytic Performance of TiO <sub>2</sub> Thin Films Deposited by Reactive Magnetron Sputtering. <i>Materials</i> , 2019, 12, 2840.	1.3	59
36	Rational Design of Two-Dimensional Nanoscale Networks by Electrostatic Interactions at Surfaces. <i>ACS Nano</i> , 2010, 4, 1813-1820.	7.3	58

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37	Tuning of electrical and structural properties of metal-polymer nanocomposite films prepared by co-evaporation technique. Applied Physics A: Materials Science and Processing, 2008, 92, 345-350.	1.1	57
38	Photocatalytic properties of titania thin films prepared by sputtering versus evaporation and aging of induced oxygen vacancy defects. Applied Catalysis B: Environmental, 2016, 180, 362-371.	10.8	54
39	Azobenzene-Containing Triazatriangulenium Adlayers on Au(111): Structural and Spectroscopic Characterization. Langmuir, 2011, 27, 5899-5908.	1.6	53
40	Single target sputter deposition of alloy nanoparticles with adjustable composition via a gas aggregation cluster source. Nanotechnology, 2017, 28, 175703.	1.3	52
41	Monitoring the reversible photoisomerization of an azobenzene-functionalized molecular triazatriangulene platform on Au(111) by IRRAS. Physical Chemistry Chemical Physics, 2014, 16, 22643-22650.	1.3	50
42	Size dependent characteristics of plasma synthesized carbonaceous nanoparticles. Journal of Applied Physics, 2012, 112, .	1.1	49
43	Functional Polymer Nanocomposites. Polymers and Polymer Composites, 2008, 16, 471-481.	1.0	48
44	Effect of gold alloying on stability of silver nanoparticles and control of silver ion release from vapor-deposited Ag@Au/polytetrafluoroethylene nanocomposites. Gold Bulletin, 2013, 46, 3-11.	1.1	48
45	Giant magnetoelectric effect at low frequencies in polymer-based thin film composites. Applied Physics Letters, 2014, 104, .	1.5	48
46	Preparation and plasmonic properties of polymer-based composites containing Ag@Au alloy nanoparticles produced by vapor phase co-deposition. Journal of Materials Science, 2010, 45, 5865-5871.	1.7	47
47	From Au@Thiolate Chains to Thioether Sierpiński Triangles: The Versatile Surface Chemistry of 1,3,5-Tris(4-mercaptophenyl)benzene on Au(111). ACS Nano, 2016, 10, 10901-10911.	7.3	47
48	(CuO-Cu <sub>2</sub> O)/ZnO:Al heterojunctions for volatile organic compound detection. Sensors and Actuators B: Chemical, 2018, 255, 1362-1375.	4.0	47
49	Asymmetry Induction by Cooperative Intermolecular Hydrogen Bonds in Surface-Anchored Layers of Achiral Molecules. ChemPhysChem, 2006, 7, 2197-2204.	1.0	46
50	Tuning of the ion release properties of silver nanoparticles buried under a hydrophobic polymer barrier. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	46
51	Magnetron-sputtered copper nanoparticles: lost in gas aggregation and found by <i>in situ</i> X-ray scattering. Nanoscale, 2018, 10, 18275-18281.	2.8	46
52	Investigation of the Surface Glass Transition Temperature by Embedding of Noble Metal Nanoclusters into Monodisperse Polystyrenes. Macromolecules, 2004, 37, 1831-1838.	2.2	45
53	Surface topography and wetting modifications of PEEK for implant applications. Lasers in Medical Science, 2014, 29, 1633-1639.	1.0	45
54	Influence of reactive gas admixture on transition metal cluster nucleation in a gas aggregation cluster source. Journal of Applied Physics, 2012, 112, .	1.1	44

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55	Chemistry, diffusion and cluster formation at metal-polymer interfaces. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1998, 49, 180-188.	0.8	43
56	Evidence of noble metal diffusion in polymers at room temperature and its retardation by a chromium barrier. <i>Applied Physics Letters</i> , 2002, 81, 244-246.	1.5	43
57	XES, XPS and NEXAFS studies of the electronic structure of cubic MoO <sub>1.9</sub> and H <sub>1.63</sub> MoO <sub>3</sub> thick films. <i>Journal of Alloys and Compounds</i> , 2004, 366, 54-60.	2.8	43
58	Conformational Adaptation in Supramolecular Assembly on Surfaces. <i>ChemPhysChem</i> , 2007, 8, 1782-1786.	1.0	41
59	Anomalous Surface Compositions of Stoichiometric Mixed Oxide Compounds. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8037-8041.	7.2	41
60	Reactivity of ZnO Surfaces toward Maleic Anhydride. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13736-13745.	1.2	40
61	Organic molecular-beam deposition of perylene on Cu(110): Results from near-edge x-ray absorption spectroscopy, x-ray photoelectron spectroscopy, and atomic force microscopy. <i>Journal of Materials Research</i> , 2004, 19, 2049-2056.	1.2	40
62	Valence band electronic structure of V <sub>2</sub> O <sub>5</sub> as determined by resonant soft X-ray emission spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 149, 45-50.	0.8	40
63	Mass Spectrometric Investigations of Nano-Size Cluster Ions Produced by High Pressure Magnetron Sputtering. <i>Contributions To Plasma Physics</i> , 2012, 52, 881-889.	0.5	40
64	Microstructural and plasmonic modifications in Ag@TiO <sub>2</sub> and Au@TiO <sub>2</sub> nanocomposites through ion beam irradiation. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1419-1431.	1.5	40
65	Post-Synthetic Decoupling of On-Surface-Synthesized Covalent Nanostructures from Ag(111). <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7650-7654.	7.2	39
66	Light-Controlled Conductance Switching in Azobenzene-Containing MWCNT@Polymer Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11257-11262.	4.0	38
67	Correlating Nanostructure, Optical and Electronic Properties of Nanogranular Silver Layers during Polymer-Template-Assisted Sputter Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29416-29426.	4.0	37
68	Whey protein hydrolysates reduce autoxidation in microencapsulated long chain polyunsaturated fatty acids. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 1960-1970.	1.0	36
69	Tuning doping and surface functionalization of columnar oxide films for volatile organic compound sensing: experiments and theory. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23669-23682.	5.2	36
70	Huge increase in gas phase nanoparticle generation by pulsed direct current sputtering in a reactive gas admixture. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	35
71	Role of UV Plasmonics in the Photocatalytic Performance of TiO <sub>2</sub> Decorated with Aluminum Nanoparticles. <i>ACS Applied Nano Materials</i> , 2018, 1, 3760-3764.	2.4	35
72	Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. <i>Cellulose</i> , 2019, 26, 8877-8894.	2.4	34

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73	Does the Surface Matter? Hydrogen-Bonded Chain Formation of an Oxalic Amide Derivative in a Two- and Three-Dimensional Environment. <i>ChemPhysChem</i> , 2008, 9, 2522-2530.	1.0	32
74	Uniform $\pi$ - $\pi$ System Alignment in Thin Films of Template-Grown Dicarbonitrile-Oligophenyls. <i>Advanced Functional Materials</i> , 2011, 21, 1631-1642.	7.8	32
75	Plasma-polymerized HMDSO coatings to adjust the silver ion release properties of Ag/polymer nanocomposites. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	32
76	Self-Assembled Monolayers of Benzylmercaptan and <i>p</i> -Cyanobenzylmercaptan on Au(111) Surfaces: Structural and Spectroscopic Characterization. <i>Langmuir</i> , 2008, 24, 5726-5733.	1.6	31
77	Evidence of Aggregation-Induced Copper Immobilization During Polyimide Metallization. <i>Advanced Materials</i> , 1998, 10, 1357-1360.	11.1	30
78	Nucleation and Growth of Magnetron-Sputtered Ag Nanoparticles as Witnessed by Time-Resolved Small Angle X-Ray Scattering. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900436.	1.2	30
79	Supramolecular Organization and Chiral Resolution of <i>p</i> -Terphenyl-Dicarbonitrile on the Ag(111) Surface. <i>ChemPhysChem</i> , 2010, 11, 1446-1451.	1.0	29
80	On-Surface Polymerization of 1,6-Dibromo-3,8-diiodopyrene: A Comparative Study on Au(111) Versus Ag(111) by STM, XPS, and NEXAFS. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5967-5977.	1.5	29
81	Plasma based formation and deposition of metal and metal oxide nanoparticles using a gas aggregation source. <i>European Physical Journal D</i> , 2018, 72, 1.	0.6	29
82	Condensation coefficients of noble metals on polymers: a novel method of determination by x-ray photoelectron spectroscopy. <i>Surface and Interface Analysis</i> , 2000, 30, 439-443.	0.8	28
83	Molecular dynamics simulation of gold cluster growth during sputter deposition. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	28
84	Tunable polytetrafluoroethylene electret films with extraordinary charge stability synthesized by initiated chemical vapor deposition for organic electronics applications. <i>Scientific Reports</i> , 2019, 9, 2237.	1.6	28
85	Low-temperature low-power PECVD synthesis of vertically aligned graphene. <i>Nanotechnology</i> , 2020, 31, 395604.	1.3	28
86	Reversible light-controlled conductance switching of azobenzene-based metal/polymer nanocomposites. <i>Nanotechnology</i> , 2010, 21, 465201.	1.3	27
87	Surface segregation in TiO <sub>2</sub> -based nanocomposite thin films. <i>Nanotechnology</i> , 2012, 23, 495701.	1.3	27
88	Tailoring the Morphology of Metal/Polymer Interfaces. <i>Advanced Engineering Materials</i> , 2000, 2, 489-492.	1.6	26
89	X-ray spectroscopy characterization of azobenzene-functionalized triazatriangulenium adlayers on Au(111) surfaces. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17053-17062.	1.3	26
90	Plasmonic and non-plasmonic contributions on photocatalytic activity of Au-TiO <sub>2</sub> thin film under mixed UV-visible light. <i>Surface and Coatings Technology</i> , 2020, 389, 125613.	2.2	26

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91	Self-assembled monolayers of benzylmercaptan and para-cyanobenzylmercaptan on gold: surface infrared spectroscopic characterization. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4390.	1.3	25
92	Metal/polymer nanocomposite thin films prepared by plasma polymerization and high pressure magnetron sputtering. <i>Surface and Coatings Technology</i> , 2011, 205, S38-S41.	2.2	25
93	Long-Distance Rate Acceleration by Bulk Gold. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6574-6578.	7.2	25
94	Cauliflower-like CeO <sub>2</sub> /TiO <sub>2</sub> hybrid nanostructures with extreme photocatalytic and self-cleaning properties. <i>Nanoscale</i> , 2019, 11, 9840-9844.	2.8	24
95	Real-time insight into nanostructure evolution during the rapid formation of ultra-thin gold layers on polymers. <i>Nanoscale Horizons</i> , 2021, 6, 132-138.	4.1	24
96	Metallization of a Thiol-Terminated Organic Surface Using Chemical Vapor Deposition. <i>Langmuir</i> , 2008, 24, 7986-7994.	1.6	23
97	Plasmonic properties of vapour-deposited polymer composites containing Ag nanoparticles and their changes upon annealing. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 125409.	1.3	23
98	Study of cobalt clusters with very narrow size distribution deposited by high-rate cluster source. <i>Nanotechnology</i> , 2011, 22, 465704.	1.3	23
99	Diffusive Memristive Switching on the Nanoscale, from Individual Nanoparticles towards Scalable Nanocomposite Devices. <i>Scientific Reports</i> , 2019, 9, 17367.	1.6	23
100	Light-induced conductance switching in azobenzene based near-percolated single wall carbon nanotube/polymer composites. <i>Carbon</i> , 2015, 90, 94-101.	5.4	22
101	Durability of resin bonding to zirconia ceramic after contamination and the use of various cleaning methods. <i>Dental Materials</i> , 2019, 35, 1388-1396.	1.6	22
102	PdO nanoparticles decorated TiO <sub>2</sub> film with enhanced photocatalytic and self-cleaning properties. <i>Materials Today Chemistry</i> , 2020, 16, 100251.	1.7	22
103	Kinetically Stable, Flat-Lying Thiolate Monolayers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3762-3764.	7.2	21
104	Formation and material analysis of plasma polymerized carbon nitride nanoparticles. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	21
105	Vapor Phase Deposition, Structure, and Plasmonic Properties of Polymer-Based Composites Containing Ag-Cu Bimetallic Nanoparticles. <i>Plasmonics</i> , 2012, 7, 107-114.	1.8	21
106	High rate deposition system for metal-cluster/SiO <sub>x</sub> C <sub>y</sub> H <sub>z</sub> polymer nanocomposite thin films. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	21
107	Role of oxygen admixture in stabilizing TiO <sub>x</sub> nanoparticle deposition from a gas aggregation source. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	21
108	Electret films with extremely high charge stability prepared by thermal evaporation of Teflon AF. <i>Organic Electronics</i> , 2018, 57, 146-150.	1.4	21

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109	Photocatalytic Growth of Hierarchical Au Needle Clusters on Highly Active TiO <sub>2</sub> Thin Film. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800465.	1.9	21
110	The method of conventional calorimetric probes – A short review and application for the characterization of nanocluster sources. <i>Surface and Coatings Technology</i> , 2011, 205, S388-S392.	2.2	20
111	Ultra-fast degradation of methylene blue by Au/ZnO-CeO <sub>2</sub> nano-hybrid catalyst. <i>Materials Letters</i> , 2017, 209, 486-491.	1.3	20
112	Self-organized nanocrack networks: a pathway to enlarge catalytic surface area in sputtered ceramic thin films, showcased for photocatalytic TiO <sub>2</sub> . <i>Nanotechnology</i> , 2018, 29, 035703.	1.3	20
113	The impact of O <sub>2</sub> /Ar ratio on morphology and functional properties in reactive sputtering of metal oxide thin films. <i>Nanotechnology</i> , 2019, 30, 235603.	1.3	20
114	Nanoscale gradient copolymer films via single-step deposition from the vapor phase. <i>Materials Today</i> , 2020, 37, 35-42.	8.3	20
115	A Flexible Oxygenated Carbographite Nanofilamentous Buckypaper as an Amphiphilic Membrane. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800001.	1.9	19
116	Remote functionalization in surface-assisted dehalogenation by conformational mechanics: organometallic self-assembly of 3,3,5,5-tetrabromo-2,2,4,4,6,6-hexafluorobiphenyl on Ag(111). <i>Nanoscale</i> , 2018, 10, 12035-12044.	2.8	19
117	Superhydrophobic 3D Porous PTFE/TiO <sub>2</sub> Hybrid Structures. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801967.	1.9	19
118	Concept and modelling of memsensors as two terminal devices with enhanced capabilities in neuromorphic engineering. <i>Scientific Reports</i> , 2019, 9, 4361.	1.6	19
119	Epileptic Seizure Detection on an Ultra-Low-Power Embedded RISC-V Processor Using a Convolutional Neural Network. <i>Biosensors</i> , 2021, 11, 203.	2.3	19
120	Organic Molecular Beam Deposition of Oligophenyls on Au(111): A Study by X-ray Absorption Spectroscopy. <i>ChemPhysChem</i> , 2006, 7, 2552-2558.	1.0	18
121	Chemistry in Confined Geometries: Reactions at an Organic Surface. <i>ChemPhysChem</i> , 2007, 8, 657-660.	1.0	18
122	Optical switching behavior of azobenzene/PMMA blends with high chromophore concentration. <i>Journal of Materials Science</i> , 2011, 46, 2488-2494.	1.7	18
123	Efficacy of Plasma Treatment for Decontaminating Zirconia. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 289-297.	0.3	17
124	Metal-Organic Chemical Vapor Deposition of Palladium: Spectroscopic Study of Cyclopentadienyl-allyl-palladium Deposition on a Palladium Substrate. <i>Chemistry of Materials</i> , 2005, 17, 861-868.	3.2	16
125	Formation of magnetic nanocolumns during vapor phase deposition of a metal-polymer nanocomposite: Experiments and kinetic Monte Carlo simulations. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	16
126	<i>In situ</i> Raman spectroscopy for growth monitoring of vertically aligned multiwall carbon nanotubes in plasma reactor. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	16



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127	Tuning wettability of TiO <sub>2</sub> thin film by photocatalytic deposition of 3D flower- and hedgehog-like Au nano- and microstructures. <i>Applied Surface Science</i> , 2021, 537, 147795.	3.1	16
128	The valence electronic structure of zinc oxide powders as determined by X-ray emission spectroscopy: variation of electronic structure with particle size. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 134, 183-189.	0.8	15
129	Electronic structure, adsorption geometry, and photoswitchability of azobenzene layers adsorbed on layered crystals. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20272.	1.3	15
130	Ag Nanoparticles Decorated TiO <sub>2</sub> Thin Films with Enhanced Photocatalytic Activity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800898.	0.8	15
131	Molecular adsorption and growth of naphthalene films on Ag(100). <i>Surface Science</i> , 2007, 601, 2089-2094.	0.8	14
132	Nanostructural and Functional Properties of Ag-TiO <sub>2</sub> Coatings Prepared by Co-Sputtering Deposition Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 4893-4899.	0.9	14
133	Huge increase of therapeutic window at a bioactive silver/titania nanocomposite coating surface compared to solution. <i>Materials Science and Engineering C</i> , 2013, 33, 2367-2375.	3.8	14
134	Grafting of Functionalized [Fe(III)(salten)] Complexes to Au(111) Surfaces via Thiolate Groups: Surface Spectroscopic Characterization and Comparison of Different Linker Designs. <i>Langmuir</i> , 2013, 29, 8534-8543.	1.6	14
135	Controlling surface segregation of reactively sputtered Ag/TiO <sub>x</sub> nanocomposites. <i>Acta Materialia</i> , 2014, 74, 1-8.	3.8	14
136	Nanogenerator and piezotronic inspired concepts for energy efficient magnetic field sensors. <i>Nano Energy</i> , 2019, 56, 420-425.	8.2	14
137	Prospects for microwave plasma synthesized N-graphene in secondary electron emission mitigation applications. <i>Scientific Reports</i> , 2020, 10, 13013.	1.6	14
138	Selective Silver Nanocluster Metallization on Conjugated Diblock Copolymer Templates for Sensing and Photovoltaic Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 4245-4255.	2.4	14
139	CO <sub>2</sub> Adlayers on the Mixed Terminated ZnO(10-10) Surface Studied by He Atom Scattering, Photoelectron Spectroscopy and Ab Initio Electronic Structure Calculations. <i>Zeitschrift Fur Physikalische Chemie</i> , 2008, 222, 891-915.	1.4	13
140	N-Graphene-Metal-Oxide(Sulfide) hybrid Nanostructures: Single-step plasma-enabled approach for energy storage applications. <i>Chemical Engineering Journal</i> , 2022, 430, 133153.	6.6	13
141	Controlled synthesis of germanium nanoparticles by nonthermal plasmas. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	12
142	Fabrication of Diazocine-Based Photochromic Organic Thin Films via Initiated Chemical Vapor Deposition. <i>Macromolecules</i> , 2020, 53, 1164-1170.	2.2	12
143	Enhancing composition control of alloy nanoparticles from gas aggregation source by in operando optical emission spectroscopy. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000208.	1.6	12
144	Highly versatile concept for precise tailoring of nanogranular composites with a gas aggregation cluster source. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	11

#	ARTICLE	IF	CITATIONS
145	Biomimetic Transferable Surface for a Real Time Control over Wettability and Photoerasable Writing with Water Drop Lens. Scientific Reports, 2015, 4, 7407.	1.6	11
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