

# Th Strunskus

## List of Publications by Year in descending order

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203  
papers

6,932  
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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.	4.8	239
2	Metal-Polymer Nanocomposites for Functional Applications. <i>Advanced Engineering Materials</i> , 2010, 12, 1177-1190.	3.5	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.	13.8	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.	2.6	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.	7.8	140
6	Layer-by-Layer Growth of Oriented Metal Organic Polymers on a Functionalized Organic Surface. <i>Langmuir</i> , 2007, 23, 7440-7442.	3.5	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.	13.7	122
8	Ionic Hydrogen Bonds Controlling Two-Dimensional Supramolecular Systems at a Metal Surface. <i>Chemistry - A European Journal</i> , 2007, 13, 3900-3906.	3.3	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.	8.0	113
10	Tunable multiple plasmon resonance wavelengths response from multicomponent polymer-metal nanocomposite systems. <i>Applied Physics Letters</i> , 2004, 84, 2655-2657.	3.3	112
11	Free Volume Distributions in Glassy Polymer Membranes: A Comparison between Molecular Modeling and Experiments. <i>Macromolecules</i> , 2000, 33, 2242-2248.	4.8	102
12	Metal/polymer interfaces with designed morphologies. <i>Journal of Adhesion Science and Technology</i> , 2000, 14, 467-490.	2.6	97
13	Visualizing the Frontier Orbitals of a Conformationally Adapted Metalloporphyrin. <i>ChemPhysChem</i> , 2008, 9, 89-94.	2.1	96
14	Plasmonic tunable metamaterial absorber as ultraviolet protection film. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	95
15	Importance of dewetting in organic molecular-beam deposition: Pentacene on gold. <i>Applied Physics Letters</i> , 2004, 85, 398-400.	3.3	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.	3.5	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.	3.5	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.	13.7	91

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19	Embedding of Noble Metal Nanoclusters into Polymers as a Potential Probe of the Surface Glass Transition. <i>Macromolecules</i> , 2001, 34, 1125-1127.	4.8	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.	2.6	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.	5.5	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.	8.0	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.	1.9	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.	9.1	72
25	Towards large-scale in free-standing graphene and N-graphene sheets. <i>Scientific Reports</i> , 2017, 7, 10175.	3.3	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.	3.0	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.	6.1	65
28	N-Graphene Nanowalls via Plasma Nitrogen Incorporation and Substitution: The Experimental Evidence. <i>Nano-Micro Letters</i> , 2020, 12, 53.	27.0	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.	8.0	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.	1.9	61
31	Fabrication of Self-Assembled Monolayers Exhibiting a Thiol-Terminated Surface. <i>Langmuir</i> , 2004, 20, 8620-8624.	3.5	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.	3.1	60
33	Formation of metal-polymer interfaces by metal evaporation: influence of deposition parameters and defects. <i>Microelectronic Engineering</i> , 2000, 50, 465-471.	2.4	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.	6.2	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.	2.9	59
36	Rational Design of Two-Dimensional Nanoscale Networks by Electrostatic Interactions at Surfaces. <i>ACS Nano</i> , 2010, 4, 1813-1820.	14.6	58

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37	Tuning of electrical and structural properties of metal-polymer nanocomposite films prepared by co-evaporation technique. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 345-350.	2.3	57
38	Photocatalytic properties of titania thin films prepared by sputtering versus evaporation and aging of induced oxygen vacancy defects. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 362-371.	20.2	54
39	Azobenzene-Containing Triazatriangulenium Adlayers on Au(111): Structural and Spectroscopic Characterization. <i>Langmuir</i> , 2011, 27, 5899-5908.	3.5	53
40	Single target sputter deposition of alloy nanoparticles with adjustable composition via a gas aggregation cluster source. <i>Nanotechnology</i> , 2017, 28, 175703.	2.6	52
41	Monitoring the reversible photoisomerization of an azobenzene-functionalized molecular triazatriangulene platform on Au(111) by IRRAS. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22643-22650.	2.8	50
42	Size dependent characteristics of plasma synthesized carbonaceous nanoparticles. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	49
43	Functional Polymer Nanocomposites. <i>Polymers and Polymer Composites</i> , 2008, 16, 471-481.	1.9	48
44	Effect of gold alloying on stability of silver nanoparticles and control of silver ion release from vapor-deposited Ag@Au/polytetrafluoroethylene nanocomposites. <i>Gold Bulletin</i> , 2013, 46, 3-11.	2.4	48
45	Giant magnetoelectric effect at low frequencies in polymer-based thin film composites. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	48
46	Preparation and plasmonic properties of polymer-based composites containing Ag@Au alloy nanoparticles produced by vapor phase co-deposition. <i>Journal of Materials Science</i> , 2010, 45, 5865-5871.	3.7	47
47	From Au@Thiolate Chains to Thioether Sierpinski Triangles: The Versatile Surface Chemistry of 1,3,5-Tris(4-mercaptophenyl)benzene on Au(111). <i>ACS Nano</i> , 2016, 10, 10901-10911.	14.6	47
48	(CuO-Cu <sub>2</sub> O)/ZnO:Al heterojunctions for volatile organic compound detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1362-1375.	7.8	47
49	Asymmetry Induction by Cooperative Intermolecular Hydrogen Bonds in Surface-Anchored Layers of Achiral Molecules. <i>ChemPhysChem</i> , 2006, 7, 2197-2204.	2.1	46
50	Tuning of the ion release properties of silver nanoparticles buried under a hydrophobic polymer barrier. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	46
51	Magnetron-sputtered copper nanoparticles: lost in gas aggregation and found by <i>in situ</i> X-ray scattering. <i>Nanoscale</i> , 2018, 10, 18275-18281.	5.6	46
52	Investigation of the Surface Glass Transition Temperature by Embedding of Noble Metal Nanoclusters into Monodisperse Polystyrenes. <i>Macromolecules</i> , 2004, 37, 1831-1838.	4.8	45
53	Surface topography and wetting modifications of PEEK for implant applications. <i>Lasers in Medical Science</i> , 2014, 29, 1633-1639.	2.1	45
54	Influence of reactive gas admixture on transition metal cluster nucleation in a gas aggregation cluster source. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	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.	1.5	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.	3.3	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.	5.5	43
58	Conformational Adaptation in Supramolecular Assembly on Surfaces. <i>ChemPhysChem</i> , 2007, 8, 1782-1786.	2.1	41
59	Anomalous Surface Compositions of Stoichiometric Mixed Oxide Compounds. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8037-8041.	13.8	41
60	Reactivity of ZnO Surfaces toward Maleic Anhydride. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13736-13745.	2.6	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.	2.6	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.	1.7	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.	1.1	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.	2.8	40
65	Post-Synthetic Decoupling of On-Surface-Synthesized Covalent Nanostructures from Ag(111). <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7650-7654.	13.8	39
66	Light-Controlled Conductance Switching in Azobenzene-Containing MWCNT-Polymer Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11257-11262.	8.0	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.	8.0	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.	1.5	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.	10.3	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, .	3.3	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.	5.0	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.	4.9	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.	2.1	32
74	Uniform $\pi$ - $\pi$ System Alignment in Thin Films of Template-Grown Dicarbitrile-Oligophenyls. <i>Advanced Functional Materials</i> , 2011, 21, 1631-1642.	14.9	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.	1.9	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.	3.5	31
77	Evidence of Aggregation-Induced Copper Immobilization During Polyimide Metallization. <i>Advanced Materials</i> , 1998, 10, 1357-1360.	21.0	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.	2.3	30
79	Supramolecular Organization and Chiral Resolution of <i>p</i> -Terphenyl- <i>m</i> -Dicarbonitrile on the Ag(111) Surface. <i>ChemPhysChem</i> , 2010, 11, 1446-1451.	2.1	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.	3.1	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.	1.3	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.	1.8	28
83	Molecular dynamics simulation of gold cluster growth during sputter deposition. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	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.	3.3	28
85	Low-temperature low-power PECVD synthesis of vertically aligned graphene. <i>Nanotechnology</i> , 2020, 31, 395604.	2.6	28
86	Reversible light-controlled conductance switching of azobenzene-based metal/polymer nanocomposites. <i>Nanotechnology</i> , 2010, 21, 465201.	2.6	27
87	Surface segregation in $\text{TiO}_2$ -based nanocomposite thin films. <i>Nanotechnology</i> , 2012, 23, 495701.	2.6	27
88	Tailoring the Morphology of Metal/Polymer Interfaces. <i>Advanced Engineering Materials</i> , 2000, 2, 489-492.	3.5	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.	2.8	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.	4.8	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.	2.8	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.	4.8	25
93	Long-Distance Rate Acceleration by Bulk Gold. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6574-6578.	13.8	25
94	Cauliflower-like $\text{CeO}_2/\text{TiO}_2$ hybrid nanostructures with extreme photocatalytic and self-cleaning properties. <i>Nanoscale</i> , 2019, 11, 9840-9844.	5.6	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.	8.0	24
96	Metallization of a Thiol-Terminated Organic Surface Using Chemical Vapor Deposition. <i>Langmuir</i> , 2008, 24, 7986-7994.	3.5	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.	2.8	23
98	Study of cobalt clusters with very narrow size distribution deposited by high-rate cluster source. <i>Nanotechnology</i> , 2011, 22, 465704.	2.6	23
99	Diffusive Memristive Switching on the Nanoscale, from Individual Nanoparticles towards Scalable Nanocomposite Devices. <i>Scientific Reports</i> , 2019, 9, 17367.	3.3	23
100	Light-induced conductance switching in azobenzene based near-percolated single wall carbon nanotube/polymer composites. <i>Carbon</i> , 2015, 90, 94-101.	10.3	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.	3.5	22
102	PdO nanoparticles decorated $\text{TiO}_2$ film with enhanced photocatalytic and self-cleaning properties. <i>Materials Today Chemistry</i> , 2020, 16, 100251.	3.5	22
103	Kinetically Stable, Flat-Lying Thiolate Monolayers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3762-3764.	13.8	21
104	Formation and material analysis of plasma polymerized carbon nitride nanoparticles. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	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.	3.4	21
106	High rate deposition system for metal-cluster/ $\text{SiO}_2/\text{C}_x\text{H}_y$ polymer nanocomposite thin films. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	21
107	Role of oxygen admixture in stabilizing $\text{TiO}_2$ nanoparticle deposition from a gas aggregation source. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	21
108	Electret films with extremely high charge stability prepared by thermal evaporation of Teflon AF. <i>Organic Electronics</i> , 2018, 57, 146-150.	2.6	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.	3.7	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.	4.8	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.	2.6	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.	2.6	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.	2.6	20
114	Nanoscale gradient copolymer films via single-step deposition from the vapor phase. <i>Materials Today</i> , 2020, 37, 35-42.	14.2	20
115	A Flexible Oxygenated Carbographite Nanofilamentous Buckypaper as an Amphiphilic Membrane. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800001.	3.7	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.	5.6	19
117	Superhydrophobic 3D Porous PTFE/TiO <sub>2</sub> Hybrid Structures. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801967.	3.7	19
118	Concept and modelling of memsensors as two terminal devices with enhanced capabilities in neuromorphic engineering. <i>Scientific Reports</i> , 2019, 9, 4361.	3.3	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.	4.7	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.	2.1	18
121	Chemistry in Confined Geometries: Reactions at an Organic Surface. <i>ChemPhysChem</i> , 2007, 8, 657-660.	2.1	18
122	Optical switching behavior of azobenzene/PMMA blends with high chromophore concentration. <i>Journal of Materials Science</i> , 2011, 46, 2488-2494.	3.7	18
123	Efficacy of Plasma Treatment for Decontaminating Zirconia. <i>Journal of Adhesive Dentistry</i> , 2018, 20, 289-297.	0.5	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.	6.7	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, .	2.5	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, .	3.3	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. Applied Surface Science, 2021, 537, 147795.	6.1	16
128	The valence electronic structure of zinc oxide powders as determined by X-ray emission spectroscopy: variation of electronic structure with particle size. Journal of Electron Spectroscopy and Related Phenomena, 2004, 134, 183-189.	1.7	15
129	Electronic structure, adsorption geometry, and photoswitchability of azobenzene layers adsorbed on layered crystals. Physical Chemistry Chemical Physics, 2013, 15, 20272.	2.8	15
130	Ag Nanoparticles Decorated TiO <sub>2</sub> Thin Films with Enhanced Photocatalytic Activity. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800898.	1.8	15
131	Molecular adsorption and growth of naphthalene films on Ag(100). Surface Science, 2007, 601, 2089-2094.	1.9	14
132	Nanostructural and Functional Properties of Ag-TiO <sub>2</sub> Coatings Prepared by Co-Sputtering Deposition Technique. Journal of Nanoscience and Nanotechnology, 2011, 11, 4893-4899.	0.9	14
133	Huge increase of therapeutic window at a bioactive silver/titania nanocomposite coating surface compared to solution. Materials Science and Engineering C, 2013, 33, 2367-2375.	7.3	14
134	Grafting of Functionalized [Fe(III)(salen)] Complexes to Au(111) Surfaces via Thiolate Groups: Surface Spectroscopic Characterization and Comparison of Different Linker Designs. Langmuir, 2013, 29, 8534-8543.	3.5	14
135	Controlling surface segregation of reactively sputtered Ag/TiO <sub>x</sub> nanocomposites. Acta Materialia, 2014, 74, 1-8.	7.9	14
136	Nanogenerator and piezotronic inspired concepts for energy efficient magnetic field sensors. Nano Energy, 2019, 56, 420-425.	16.0	14
137	Prospects for microwave plasma synthesized N-graphene in secondary electron emission mitigation applications. Scientific Reports, 2020, 10, 13013.	3.3	14
138	Selective Silver Nanocluster Metallization on Conjugated Diblock Copolymer Templates for Sensing and Photovoltaic Applications. ACS Applied Nano Materials, 2021, 4, 4245-4255.	5.0	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. Zeitschrift Fur Physikalische Chemie, 2008, 222, 891-915.	2.8	13
140	N-Graphene-Metal-Oxide(Sulfide) hybrid Nanostructures: Single-step plasma-enabled approach for energy storage applications. Chemical Engineering Journal, 2022, 430, 133153.	12.7	13
141	Controlled synthesis of germanium nanoparticles by nonthermal plasmas. Applied Physics Letters, 2016, 108, .	3.3	12
142	Fabrication of Diazocine-Based Photochromic Organic Thin Films via Initiated Chemical Vapor Deposition. Macromolecules, 2020, 53, 1164-1170.	4.8	12
143	Enhancing composition control of alloy nanoparticles from gas aggregation source by in operando optical emission spectroscopy. Plasma Processes and Polymers, 2021, 18, 2000208.	3.0	12
144	Highly versatile concept for precise tailoring of nanogranular composites with a gas aggregation cluster source. Applied Physics Letters, 2012, 100, .	3.3	11

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145	Biomimetic Transferable Surface for a Real Time Control over Wettability and Photoerasable Writing with Water Drop Lens. Scientific Reports, 2015, 4, 7407.	3.3	11
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