

# Gunther Andersson

## List of Publications by Year in descending order

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167  
papers

4,814  
citations

136950  
32  
h-index

133252  
59  
g-index

174  
all docs

174  
docs citations

174  
times ranked

6761  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D WS <sub>2</sub> Nanolayers@Heteroatom-Doped Graphene Films as Hydrogen Evolution Catalyst Electrodes. <i>Advanced Materials</i> , 2015, 27, 4234-4241.	21.0	389
2	Molecular Structure of 3-Aminopropyltriethoxysilane Layers Formed on Silanol-Terminated Silicon Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6289-6297.	3.1	345
3	Raman spectroscopy study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the thermal annealing pathway. <i>Carbon</i> , 2015, 85, 147-158.	10.3	145
4	Double-Sided Surface Passivation of 3D Perovskite Film for High-Efficiency Mixed-Dimensional Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1907962.	14.9	130
5	In situ recombination junction between p-Si and TiO <sub>2</sub> enables high-efficiency monolithic perovskite/Si tandem cells. <i>Science Advances</i> , 2018, 4, eaau9711.	10.3	122
6	Sustainable Polysulfides for Oil Spill Remediation: Repurposing Industrial Waste for Environmental Benefit. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800024.	5.3	120
7	Chemically-synthesised, atomically-precise gold clusters deposited and activated on titania. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3917.	2.8	111
8	High Efficiency Perovskite-Silicon Tandem Solar Cells: Effect of Surface Coating versus Bulk Incorporation of 2D Perovskite. <i>Advanced Energy Materials</i> , 2020, 10, 1903553.	19.5	110
9	Nitrogen-Doped CN <sub>x</sub> /CNTs Heteroelectrocatalysts for Highly Efficient Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602276.	19.5	102
10	Understanding specific ion effects and the Hofmeister series. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12682-12718.	2.8	101
11	Impact collision ion scattering spectroscopy (ICISS) and neutral impact collision ion scattering spectroscopy (NICISS) at surfaces of organic liquids. <i>Surface Science</i> , 1998, 405, 138-151.	1.9	99
12	Surface modification and chemical surface analysis of biomaterials. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 667-676.	6.1	91
13	Chemically synthesised atomically precise gold clusters deposited and activated on titania. Part II. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14806.	2.8	78
14	Creation of High-Performance Heterogeneous Photocatalysts by Controlling Ligand Desorption and Particle Size of Gold Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21340-21350.	13.8	74
15	Role of humidity on indium and tin migration in organic photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4381.	2.8	70
16	Factors influencing the catalytic oxidation of benzyl alcohol using supported phosphine-capped gold nanoparticles. <i>Catalysis Science and Technology</i> , 2015, 5, 1323-1333.	4.1	65
17	Charge transport and trapping in Cs-doped poly(dialkoxy-p-phenylene vinylene) light-emitting diodes. <i>Physical Review B</i> , 2004, 69, .	3.2	60
18	Activity of surface active substances determined from their surface excess. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 136.	2.8	58

#	ARTICLE	IF	CITATIONS
19	Investigations on solutions of tetrabutylonium salts in formamide with NICISS and ICISS: concentration depth profiles and composition of the outermost layer. <i>Surface Science</i> , 2000, 445, 89-99.	1.9	57
20	Effect of indium and tin contamination on the efficiency and electronic properties of organic bulk hetero-junction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3251-3255.	6.2	42
21	Formation of N719 Dye Multilayers on Dye Sensitized Solar Cell Photoelectrode Surfaces Investigated by Direct Determination of Element Concentration Depth Profiles. <i>Langmuir</i> , 2012, 28, 9431-9439.	3.5	42
22	Ion Scattering Studies of Molecular Structure at Liquid Surfaces with Applications in Industrial and Biological Systems. <i>Chemical Reviews</i> , 2014, 114, 8361-8387.	47.7	42
23	Effect of the aliphatic chain length on electrical double layer formation at the liquid/vacuum interface in the [Cnmim][BF <sub>4</sub> ] ionic liquid series. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17177.	2.8	40
24	Highly conductive interwoven carbon nanotube and silver nanowire transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 035004.	6.1	40
25	Toward Control of Gold Cluster Aggregation on TiO <sub>2</sub> via Surface Treatments. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24465-24474.	3.1	39
26	A Review of State of the Art in Phosphine Ligated Gold Clusters and Application in Catalysis. <i>Advanced Science</i> , 2022, 9, e2105692.	11.2	39
27	Poly(4-vinylpyridine): A New Interface Layer for Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10929-10936.	8.0	38
28	Surface Passivation of Sputtered NiO <sub>x</sub> Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells. <i>ACS Omega</i> , 2022, 7, 12147-12157.	3.5	38
29	XPS and NEXAFS study of fluorine modified TiO <sub>2</sub> nano-ovoids reveals dependence of Ti <sup>3+</sup> surface population on the modifying agent. <i>RSC Advances</i> , 2014, 4, 20649.	3.6	37
30	Combined Bulk and Surface Passivation in Dimensionally Engineered 2D/3D Perovskite Films via Chlorine Diffusion. <i>Advanced Functional Materials</i> , 2021, 31, 2104251.	14.9	37
31	Energy-loss straggling of helium projectiles at low kinetic energies: Deconvolution of concentration depth profiles of inorganic salt solutes in aqueous solutions. <i>Physical Review A</i> , 2008, 78, .	2.5	36
32	On the correlation between dye coverage and photoelectrochemical performance in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 711-718.	2.8	36
33	In Situ Formation of Mixed-Dimensional Surface Passivation Layers in Perovskite Solar Cells with Dual-Isomer Alkylammonium Cations. <i>Small</i> , 2020, 16, e2005022.	10.0	34
34	2D/3D heterostructure of h-BN/reduced graphite oxide as a remarkable electrode Material for supercapacitor. <i>Journal of Power Sources</i> , 2020, 479, 229092.	7.8	34
35	Angle resolved ion scattering spectroscopy reveals the local topography around atoms in a liquid surface. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2948.	2.8	33
36	Tuning the surface energy density of non-stoichiometric LaCoO <sub>3</sub> perovskite for enhanced water oxidation. <i>Journal of Power Sources</i> , 2020, 478, 228748.	7.8	33

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37	Efficient and stable wide bandgap perovskite solar cells through surface passivation with long alkyl chain organic cations. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18454-18465.	10.3	32
38	Composition of the outermost layer and concentration depth profiles of ammonium nitrate ionic liquid surfaces. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16088.	2.8	31
39	Solid cyclooctatetraene-based triplet quencher demonstrating excellent suppression of singlet-triplet annihilation in optical and electrical excitation. <i>Nature Communications</i> , 2020, 11, 5623.	12.8	31
40	Highly Stable Indacenodithieno[3,2-b]thiophene-Based Donor-Acceptor Copolymers for Hybrid Electrochromic and Energy Storage Applications. <i>Macromolecules</i> , 2020, 53, 11106-11119.	4.8	31
41	Improving the effects of plasma polymerization on carbon fiber using a surface modification pretreatment. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 143, 106319.	7.6	31
42	Far-infrared absorption spectra of synthetically-prepared, ligated metal clusters with Au <sub>6</sub> , Au <sub>8</sub> , Au <sub>9</sub> and Au <sub>6</sub> Pd metal cores. <i>RSC Advances</i> , 2013, 3, 22140.	3.6	30
43	Increased layer interdiffusion in polyelectrolyte films upon annealing in water and aqueous salt solutions. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5462.	2.8	29
44	Anions of Alkali Halide Salts at Surfaces of Formamide Solutions: Concentration Depth Profiles and Surface Topography. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4379-4387.	3.1	29
45	Surface structure of a non-amphiphilic protic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5106.	2.8	29
46	New Insights into the Structure of PAMAM Dendrimer/Gold Nanoparticle Nanocomposites. <i>Langmuir</i> , 2011, 27, 6759-6767.	3.5	28
47	Phosphine-stabilised Au <sub>9</sub> clusters interacting with titania and silica surfaces: The first evidence for the density of states signature of the support-immobilised cluster. <i>Journal of Chemical Physics</i> , 2014, 141, 014702.	3.0	28
48	Surface properties of electrolyte solutions studied with ion beam analysis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 190, 222-225.	1.4	27
49	Significant changes of the charge distribution at the surface of an ionic liquid due to the presence of small amounts of water. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21301.	2.8	27
50	Two-in-one: cathode modification and improved solar cell blend stability through addition of modified fullerenes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2663-2669.	10.3	27
51	Nanoscale heterogeneity and workfunction variations in ZnO thin films. <i>Applied Surface Science</i> , 2016, 363, 516-521.	6.1	27
52	Unraveling the influence of CsCl/MACl on the formation of nanotwins, stacking faults and cubic supercell structure in FA-based perovskite solar cells. <i>Nano Energy</i> , 2021, 87, 106226.	16.0	27
53	Ring type and $\pi$ electron occupancy decides the Li-ion storage properties of Phagraphene: An example of sp <sup>2</sup> hybridized carbon structure. <i>Carbon</i> , 2018, 129, 775-784.	10.3	26
54	Energy-loss straggling of helium projectiles at low kinetic energies. <i>Physical Review A</i> , 2007, 75, .	2.5	25

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55	Molecular Scale Characterization of the Titania–Dye–Solvent Interface in Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2010, 26, 9612-9616.	3.5	25
56	Atomically resolved structure of ligand-protected Au <sub>9</sub> clusters on TiO <sub>2</sub> nanosheets using aberration-corrected STEM. <i>Journal of Chemical Physics</i> , 2016, 144, 114703.	3.0	25
57	Electronic and chemical properties of ZnO in inverted organic photovoltaic devices. <i>Organic Electronics</i> , 2015, 24, 131-136.	2.6	24
58	Planar silver nanowire, carbon nanotube and PEDOT:PSS nanocomposite transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 025002.	6.1	24
59	Dipole Formation at the MoO <sub>3</sub> /Conjugated Polymer Interface. <i>Advanced Functional Materials</i> , 2018, 28, 1802825.	14.9	24
60	Metal Clusters on Semiconductor Surfaces and Application in Catalysis with a Focus on Au and Ru. <i>Advanced Materials</i> , 2020, 32, e1904122.	21.0	24
61	Using surface grafted poly(acrylamide) to simultaneously enhance the tensile strength, tensile modulus, and interfacial adhesion of carbon fibres in epoxy composites. <i>Carbon</i> , 2022, 186, 367-379.	10.3	24
62	Segregation of Inorganic Ions at Surfaces of Polar Nonaqueous Liquids. <i>ChemPhysChem</i> , 2007, 8, 1457-1463.	2.1	23
63	A layered structure at the surface of P3HT/PCBM blends. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14993.	2.8	23
64	Versatile PbS Quantum Dot Ligand Exchange Systems in the Presence of Pb–Thiolates. <i>Small</i> , 2017, 13, 1602956.	10.0	23
65	Calcium induced oxidation of PPV studied with X-ray photoelectron spectroscopy and secondary ion mass spectrometry. <i>Chemical Physics</i> , 2002, 278, 159-167.	1.9	22
66	Above 23% Efficiency by Binary Surface Passivation of Perovskite Solar Cells Using Guanidinium and Octylammonium Spacer Cations. <i>Solar Rrl</i> , 2022, 6, .	5.8	22
67	Degradation effects in poly para-phenylene vinylene derivatives due to controlled oxygen exposure. <i>Synthetic Metals</i> , 2002, 131, 167-174.	3.9	21
68	Examining the role of ultra-thin atomic layer deposited metal oxide barrier layers on CdTe/ITO interface stability during the fabrication of solution processed nanocrystalline solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 125, 164-169.	6.2	21
69	Structural Determination of Thermally and Hydrazine Treated Graphene Oxide Using Electron Spectroscopic Analysis. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21312-21319.	3.1	20
70	Effect of Annealing Temperature of ZnO on the Energy Level Alignment in Inverted Organic Photovoltaics (OPVs). <i>Energy Technology</i> , 2014, 2, 462-468.	3.8	20
71	Thermodynamics and structure of liquid surfaces investigated directly with surface analytical tools**. <i>Annalen Der Physik</i> , 2017, 529, 1600230.	2.4	20
72	Investigation of Ligand-Stabilized Gold Clusters on Defect-Rich Titania. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28007-28016.	3.1	20

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73	Chemical Potential of a Nonionic Surfactant in Solution. Journal of Physical Chemistry B, 2006, 110, 24015-24020.	2.6	19
74	Measuring concentration depth profiles at liquid surfaces: Comparing angle resolved X-ray photoelectron spectroscopy and neutral impact collision scattering spectroscopy. Surface Science, 2011, 605, 889-897.	1.9	19
75	Aggregation Behavior of Ligand-Protected Au <sub>9</sub> Clusters on Sputtered Atomic Layer Deposition TiO <sub>2</sub> . Journal of Physical Chemistry C, 2017, 121, 10781-10789.	3.1	19
76	High-Speed OLEDs and Area-Emitting Light-Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer. Advanced Optical Materials, 2018, 6, 1800768.	7.3	19
77	Mechanism of Organic Solar Cell Performance Degradation upon Thermal Annealing of MoOx. ACS Applied Energy Materials, 2020, 3, 366-376.	5.1	19
78	Hydrogen sensing using gold nanoclusters supported on tungsten trioxide thin films. International Journal of Hydrogen Energy, 2013, 38, 12865-12877.	7.1	18
79	Examining the electrical and chemical properties of reduced graphene oxide with varying annealing temperatures in argon atmosphere. Applied Surface Science, 2015, 356, 719-725.	6.1	18
80	Invisible high workfunction materials on heterogeneous surfaces. Applied Surface Science, 2015, 327, 22-26.	6.1	18
81	Experimental Depth Profiles of Surfactants, Ions, and Solvent at the Angstrom Scale: Studies of Cationic and Anionic Surfactants and Their Salting Out. Journal of Physical Chemistry B, 2020, 124, 2218-2229.	2.6	18
82	Composition and properties of RF-sputter deposited titanium dioxide thin films. Nanoscale Advances, 2021, 3, 1077-1086.	4.6	18
83	Influence of a partially oxidized calcium cathode on the performance of polymeric light emitting diodes. Journal of Applied Physics, 2001, 90, 1376-1382.	2.5	17
84	Disjoining Pressure Study of Formamide Foam Films Stabilized by Surfactants. Langmuir, 2010, 26, 7752-7760.	3.5	17
85	Role of zinc oxide thickness on the photovoltaic performance of laminated organic bulk-heterojunction solar cells. Solar Energy Materials and Solar Cells, 2013, 115, 64-70.	6.2	17
86	Grouping and aggregation of ligand protected Au <sub>9</sub> clusters on TiO <sub>2</sub> nanosheets. RSC Advances, 2016, 6, 110765-110774.	3.6	17
87	Utilization of green reductant Thuja Orientalis for reduction of GO to RGO. Ceramics International, 2021, 47, 14862-14878.	4.8	17
88	Liquid metals as electrodes in polymer light emitting diodes. Journal of Applied Physics, 2003, 93, 3299-3307.	2.5	16
89	Determining concentration depth profiles of thin foam films with neutral impact collision ion scattering spectroscopy. Review of Scientific Instruments, 2010, 81, 113907.	1.3	16
90	Facile Synthesis of an Efficient and Robust Cathode Interface Material for Polymer Solar Cells. ACS Applied Energy Materials, 2018, 1, 7130-7139.	5.1	16

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91	Insights into the Oxidant/Polymer Interfacial Growth of Vapor Phase Polymerized PEDOT Thin Films. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800594.	3.7	16
92	Restructuring of Dye Layers in Dye Sensitized Solar Cells: Cooperative Adsorption of N719 and Chenodeoxycholic Acid on Titania. <i>ACS Applied Energy Materials</i> , 2019, 2, 124-130.	5.1	16
93	Pathway to high throughput, low cost indium-free transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13892-13899.	10.3	15
94	The direct measurement of the electronic density of states of graphene using metastable induced electron spectroscopy. <i>2D Materials</i> , 2017, 4, 025068.	4.4	15
95	Sliding silicon-based Schottky diodes: Maximizing triboelectricity with surface chemistry. <i>Nano Energy</i> , 2022, 93, 106861.	16.0	15
96	Effect of Gold Nanoclusters on the Production of Ti3+ Defect Sites in Titanium Dioxide Nanoparticles under Ultraviolet and Soft X-ray Radiation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11171-11177.	3.1	14
97	CO oxidation on Pt based binary and ternary alloy nanocatalysts: Reaction pathways and electronic descriptor. <i>Applied Surface Science</i> , 2020, 528, 146964.	6.1	14
98	Angle resolved ion scattering spectroscopy at surfaces of pure liquids: topography and orientation of molecules. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2942.	2.8	13
99	Effect of Sodium Halides on the Surface Structure of Foam Films Stabilized by a Nonionic Surfactant. <i>Journal of Physical Chemistry C</i> , 2015, 119, 441-448.	3.1	13
100	Influence of Moisture on the Energy-Level Alignment at the MoO <sub>3</sub> /Organic Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44163-44172.	8.0	13
101	The effect of TiCl <sub>4</sub> treatment on the performance of dye-sensitized solar cells. <i>Journal of Chemical Physics</i> , 2019, 151, 164704.	3.0	13
102	Investigation of Phosphine Ligand Protected Au <sub>13</sub> Clusters on Defect Rich Titania. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6642-6649.	3.1	13
103	Carbonisation of a polymer made from sulfur and canola oil. <i>Chemical Communications</i> , 2021, 57, 6296-6299.	4.1	13
104	Investigation of the Diffusion of Cr <sub>2</sub> O <sub>3</sub> into Different Phases of TiO <sub>2</sub> upon Annealing. <i>ACS Applied Energy Materials</i> , 2021, 4, 322-330.	5.1	13
105	Halogens as trace compounds in polymeric light-emitting diodes. <i>Synthetic Metals</i> , 2000, 113, 245-249.	3.9	12
106	Identification of the Vibrational Modes in the Far-Infrared Spectra of Ruthenium Carbonyl Clusters and the Effect of Gold Substitution. <i>Inorganic Chemistry</i> , 2014, 53, 4340-4349.	4.0	12
107	Change of Surface Structure upon Foam Film Formation. <i>ChemPhysChem</i> , 2015, 16, 733-738.	2.1	12
108	Creation of High-Performance Heterogeneous Photocatalysts by Controlling Ligand Desorption and Particle Size of Gold Nanocluster. <i>Angewandte Chemie</i> , 2021, 133, 21510-21520.	2.0	12



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109	Factors Influencing Catalytic Activity of Size-Specific Triphenylphosphine-Ligated Gold Nanoclusters in the Electrocatalytic Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2022, 126, 246-260.	3.1	12
110	Investigating the Structure of Self-Assembled Monolayers Related to Biological Cell Membranes. <i>Langmuir</i> , 2019, 35, 14213-14221.	3.5	11
111	Carbon reinforced carbon fibers: Using surface modification as a route to enhanced physical performance. <i>Composites Science and Technology</i> , 2022, 218, 109217.	7.8	11
112	Valence band structure of PDMS surface and a blend with MWCNTs: A UPS and MIES study of an insulating polymer. <i>Applied Surface Science</i> , 2015, 353, 693-699.	6.1	10
113	Adsorption and Desorption of Single-Stranded DNA from Single-Walled Carbon Nanotubes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1625-1634.	3.3	10
114	Surface Ordering in Binary Mixtures of Protic Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4264-4267.	4.6	10
115	Au <sub>101</sub> @rGO nanocomposite: immobilization of phosphine-protected gold nanoclusters on reduced graphene oxide without aggregation. <i>Nanoscale Advances</i> , 2021, 3, 1422-1430.	4.6	10
116	Highly active platinum single-atom catalyst grafted onto 3D carbon cloth support for the electrocatalytic hydrogen evolution reaction. <i>Applied Surface Science</i> , 2022, 595, 153480.	6.1	10
117	Electron energy loss spectroscopy of liquid glycerol. <i>Chemical Physics</i> , 2007, 340, 181-186.	1.9	9
118	Comparing the charge distribution along the surface normal in the [C6mim] <sup>+</sup> ionic liquid with different anions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 149-153.	4.7	9
119	Investigation into the behaviour of aluminium and steel under melt/freeze cyclic conditions. <i>Journal of Energy Storage</i> , 2018, 17, 249-260.	8.1	9
120	Porous PEI Coating for Copper Ion Storage and Its Controlled Electrochemical Release. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900123.	5.3	9
121	Concentration Depth Profiles of Inorganic Ions at Liquid Surfaces. <i>Australian Journal of Chemistry</i> , 2010, 63, 434.	0.9	8
122	A Systematic Density Functional Theory Study of the Complete De-ligation of Ru <sub>3</sub> (CO) <sub>12</sub> . <i>ChemistrySelect</i> , 2016, 1, 1163-1167.	1.5	8
123	Stability of Polymer Interlayer Modified ITO Electrodes for Organic Solar Cells. <i>Australian Journal of Chemistry</i> , 2016, 69, 735.	0.9	8
124	Surface and Near Surface Area Density of States for Magnetron-Sputtered ZnO and Al-ZnO: A MIES, UPS, and VBXPS Study Investigating Ultrahigh Vacuum Sputter Cleaning and UV Oxygen Plasma. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15772-15784.	3.1	8
125	EXAFS, ab Initio Molecular Dynamics, and NICIS Spectroscopy Studies on an Organic Dye Model at the Dye-Sensitized Solar Cell Photoelectrode Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19773-19779.	8.0	8
126	Ultralow surface energy self-assembled monolayers of iodo-perfluorinated alkanes on silica driven by halogen bonding. <i>Nanoscale</i> , 2019, 11, 2401-2411.	5.6	8



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127	Optical Properties of the Atomically Precise $\text{C}_{40}$ Core $[\text{Au}_{90}(\text{PPh}_3)_8]^3+$ Cluster Probed by Transient Absorption Spectroscopy and Time-Dependent Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2033-2044.	3.1	8
128	Interface formation in K doped poly(dialkoxy-p-phenylene vinylene) light-emitting diodes. <i>Journal of Applied Physics</i> , 2003, 94, 5756-5762.	2.5	7
129	Internal Structure of Polyelectrolyte Multilayers Probed via Neutral Impact Collision Ion Scattering Spectroscopy. <i>Langmuir</i> , 2005, 21, 2598-2604.	3.5	7
130	On the Growth of Evaporated LiF on P3HT and PCBM. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23420-23431.	3.1	7
131	Light-Induced Interfacial Dynamics Dramatically Improve the Photocurrent in Dye-Sensitized Solar Cells: An Electrolyte Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26241-26247.	8.0	7
132	The Importance of Schottky Barrier Height in Plasmonically Enhanced Hot-Electron Devices. <i>Advanced Optical Materials</i> , 2021, 9, 2001121.	7.3	7
133	Competing Segregation of $\text{Br}^+$ and $\text{Cl}^+$ to a Surface Coated with a Cationic Surfactant: Direct Measurements of Ion and Solvent Depth Profiles. <i>Journal of Physical Chemistry A</i> , 2020, 124, 11102-11110.	2.5	7
134	Multifunctional polymeric surface coatings of carbon fibre electrodes for enhanced energy storage performance. <i>Chemical Engineering Journal</i> , 2022, 447, 137560.	12.7	7
135	Morphological changes of sintered polydopamine coatings. <i>Surface Topography: Metrology and Properties</i> , 2019, 7, 015016.	1.6	6
136	Water/Ethanol Soluble p-Type Conjugated Polymers for the Use in Organic Photovoltaics. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	6
137	Cyclic Copper Uptake and Release from Natural Seawater—A Fully Sustainable Antifouling Technique to Prevent Marine Growth. <i>Environmental Science &amp; Technology</i> , 2021, 55, 757-766.	10.0	6
138	Surface modification of carbon fiber as a protective strategy against thermal degradation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 153, 106740.	7.6	6
139	Suppression of phosphine-protected $\text{Au}_{90}$ cluster agglomeration on $\text{SrTiO}_3$ particles using a chromium hydroxide layer. <i>Materials Advances</i> , 2022, 3, 3620-3630.	5.4	6
140	Sensitization of $\text{TiO}_2$ nanoarrays by a novel palladium decorated naphthalene diimide functionalized graphene nanoribbons for enhanced photoelectrochemical water splitting. <i>Materials Today Chemistry</i> , 2022, 24, 100900.	3.5	6
141	DNA capture-probe based separation of double-stranded polymerase chain reaction amplification products in poly(dimethylsiloxane) microfluidic channels. <i>Biomicrofluidics</i> , 2012, 6, 026503.	2.4	5
142	Photocatalytic degradation of methylene blue dye using catalyst based on the gold-containing clusters supported on $\text{TiO}_2$ . <i>International Journal of Nanotechnology</i> , 2018, 15, 669.	0.2	5
143	Measuring the Density of States of the Inner and Outer Wall of Double-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2018, 8, 448.	4.1	5
144	Efficient Passivation and Low Resistivity for $\text{p}^+\text{-Si}/\text{TiO}_2$ Contact by Atomic Layer Deposition. <i>ACS Applied Energy Materials</i> , 2020, 3, 6291-6301.	5.1	5

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145	Correlation of Changes in Electronic and Device Properties in Organic Photovoltaic with Exposure to Air. <i>Advanced Materials Interfaces</i> , 0, , 2101657.	3.7	5
146	Mixed Surface Chemistry on Carbon Fibers to Promote Adhesion in Epoxy and PMMA Polymers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 1615-1623.	3.7	5
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