

# Gunther Andersson

## List of Publications by Year in descending order

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167  
papers

4,814  
citations

136740

32  
h-index

133063

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.	11.1	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.	1.5	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.	5.4	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.	7.8	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.	4.7	122
6	Sustainable Polysulfides for Oil Spill Remediation: Repurposing Industrial Waste for Environmental Benefit. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800024.	2.7	120
7	Chemically-synthesised, atomically-precise gold clusters deposited and activated on titania. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3917.	1.3	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.	10.2	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.	10.2	102
10	Understanding specific ion effects and the Hofmeister series. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12682-12718.	1.3	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.	0.8	99
12	Surface modification and chemical surface analysis of biomaterials. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 667-676.	2.8	91
13	Chemically synthesised atomically precise gold clusters deposited and activated on titania. Part II. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14806.	1.3	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.	7.2	74
15	Role of humidity on indium and tin migration in organic photovoltaic devices. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4381.	1.3	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.	2.1	65
17	Charge transport and trapping in Cs-doped poly(dialkoxy-p-phenylene vinylene) light-emitting diodes. <i>Physical Review B</i> , 2004, 69, .	1.1	60
18	Activity of surface active substances determined from their surface excess. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 136.	1.3	58

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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.	0.8	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.	3.0	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.	1.6	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.	23.0	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.	1.3	40
24	Highly conductive interwoven carbon nanotube and silver nanowire transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 035004.	2.8	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.	1.5	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.	5.6	39
27	Poly(4-vinylpyridine): A New Interface Layer for Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10929-10936.	4.0	38
28	Surface Passivation of Sputtered NiO Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells. <i>ACS Omega</i> , 2022, 7, 12147-12157.	1.6	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.	1.7	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.	7.8	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, .	1.0	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.	1.3	36
33	In Situ Formation of Mixed-Dimensional Surface Passivation Layers in Perovskite Solar Cells with Dual-Isoomer Alkylammonium Cations. <i>Small</i> , 2020, 16, e2005022.	5.2	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.	4.0	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.	1.3	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.	4.0	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.	5.2	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.	1.3	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.	5.8	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.	2.2	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.	3.8	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.	1.7	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.	1.3	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.	1.5	29
45	Surface structure of a non-amphiphilic protic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5106.	1.3	29
46	New Insights into the Structure of PAMAM Dendrimer/Gold Nanoparticle Nanocomposites. <i>Langmuir</i> , 2011, 27, 6759-6767.	1.6	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.	1.2	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.	0.6	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.	1.3	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.	5.2	27
51	Nanoscale heterogeneity and workfunction variations in ZnO thin films. <i>Applied Surface Science</i> , 2016, 363, 516-521.	3.1	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.	8.2	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.	5.4	26
54	Energy-loss straggling of helium projectiles at low kinetic energies. <i>Physical Review A</i> , 2007, 75, .	1.0	25

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55	Molecular Scale Characterization of the Titania <sup>2+</sup> Dye <sup>+</sup> Solvent Interface in Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2010, 26, 9612-9616.	1.6	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.	1.2	25
57	Electronic and chemical properties of ZnO in inverted organic photovoltaic devices. <i>Organic Electronics</i> , 2015, 24, 131-136.	1.4	24
58	Planar silver nanowire, carbon nanotube and PEDOT:PSS nanocomposite transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 025002.	2.8	24
59	Dipole Formation at the MoO <sub>3</sub> /Conjugated Polymer Interface. <i>Advanced Functional Materials</i> , 2018, 28, 1802825.	7.8	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.	11.1	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.	5.4	24
62	Segregation of Inorganic Ions at Surfaces of Polar Nonaqueous Liquids. <i>ChemPhysChem</i> , 2007, 8, 1457-1463.	1.0	23
63	A layered structure at the surface of P3HT/PCBM blends. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14993.	1.3	23
64	Versatile PbS Quantum Dot Ligand Exchange Systems in the Presence of Pb <sup>2+</sup> Thiolates. <i>Small</i> , 2017, 13, 1602956.	5.2	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.	0.9	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, .	3.1	22
67	Degradation effects in poly para-phenylene vinylene derivatives due to controlled oxygen exposure. <i>Synthetic Metals</i> , 2002, 131, 167-174.	2.1	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.	3.0	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.	1.5	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.	1.8	20
71	Thermodynamics and structure of liquid surfaces investigated directly with surface analytical tools**. <i>Annalen Der Physik</i> , 2017, 529, 1600230.	0.9	20
72	Investigation of Ligand-Stabilized Gold Clusters on Defect-Rich Titania. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28007-28016.	1.5	20

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73	Chemical Potential of a Nonionic Surfactant in Solution. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24015-24020.	1.2	19
74	Measuring concentration depth profiles at liquid surfaces: Comparing angle resolved X-ray photoelectron spectroscopy and neutral impact collision scattering spectroscopy. <i>Surface Science</i> , 2011, 605, 889-897.	0.8	19
75	Aggregation Behavior of Ligand-Protected Au <sub>9</sub> Clusters on Sputtered Atomic Layer Deposition TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2017, 121, 10781-10789.	1.5	19
76	High-Speed OLEDs and Area-Emitting Light-Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer. <i>Advanced Optical Materials</i> , 2018, 6, 1800768.	3.6	19
77	Mechanism of Organic Solar Cell Performance Degradation upon Thermal Annealing of MoOx. <i>ACS Applied Energy Materials</i> , 2020, 3, 366-376.	2.5	19
78	Hydrogen sensing using gold nanoclusters supported on tungsten trioxide thin films. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12865-12877.	3.8	18
79	Examining the electrical and chemical properties of reduced graphene oxide with varying annealing temperatures in argon atmosphere. <i>Applied Surface Science</i> , 2015, 356, 719-725.	3.1	18
80	Invisible high workfunction materials on heterogeneous surfaces. <i>Applied Surface Science</i> , 2015, 327, 22-26.	3.1	18
81	Experimental Depth Profiles of Surfactants, Ions, and Solvent at the Angstrom Scale: Studies of Cationic and Anionic Surfactants and Their Salting Out. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2218-2229.	1.2	18
82	Composition and properties of RF-sputter deposited titanium dioxide thin films. <i>Nanoscale Advances</i> , 2021, 3, 1077-1086.	2.2	18
83	Influence of a partially oxidized calcium cathode on the performance of polymeric light emitting diodes. <i>Journal of Applied Physics</i> , 2001, 90, 1376-1382.	1.1	17
84	Disjoining Pressure Study of Formamide Foam Films Stabilized by Surfactants. <i>Langmuir</i> , 2010, 26, 7752-7760.	1.6	17
85	Role of zinc oxide thickness on the photovoltaic performance of laminated organic bulk-heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013, 115, 64-70.	3.0	17
86	Grouping and aggregation of ligand protected Au <sub>9</sub> clusters on TiO <sub>2</sub> nanosheets. <i>RSC Advances</i> , 2016, 6, 110765-110774.	1.7	17
87	Utilization of green reductant Thuja Orientalis for reduction of GO to RGO. <i>Ceramics International</i> , 2021, 47, 14862-14878.	2.3	17
88	Liquid metals as electrodes in polymer light emitting diodes. <i>Journal of Applied Physics</i> , 2003, 93, 3299-3307.	1.1	16
89	Determining concentration depth profiles of thin foam films with neutral impact collision ion scattering spectroscopy. <i>Review of Scientific Instruments</i> , 2010, 81, 113907.	0.6	16
90	Facile Synthesis of an Efficient and Robust Cathode Interface Material for Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 7130-7139.	2.5	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.	1.9	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.	2.5	16
93	Pathway to high throughput, low cost indium-free transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13892-13899.	5.2	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.	2.0	15
95	Sliding silicon-based Schottky diodes: Maximizing triboelectricity with surface chemistry. <i>Nano Energy</i> , 2022, 93, 106861.	8.2	15
96	Effect of Gold Nanoclusters on the Production of Ti <sup>3+</sup> Defect Sites in Titanium Dioxide Nanoparticles under Ultraviolet and Soft X-ray Radiation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11171-11177.	1.5	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.	3.1	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.	1.3	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.	1.5	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.	4.0	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.	1.2	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.	1.5	13
103	Carbonisation of a polymer made from sulfur and canola oil. <i>Chemical Communications</i> , 2021, 57, 6296-6299.	2.2	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.	2.5	13
105	Halogens as trace compounds in polymeric light-emitting diodes. <i>Synthetic Metals</i> , 2000, 113, 245-249.	2.1	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.	1.9	12
107	Change of Surface Structure upon Foam Film Formation. <i>ChemPhysChem</i> , 2015, 16, 733-738.	1.0	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.	1.6	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.	1.5	12
110	Investigating the Structure of Self-Assembled Monolayers Related to Biological Cell Membranes. <i>Langmuir</i> , 2019, 35, 14213-14221.	1.6	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.	3.8	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.	3.1	10
113	Adsorption and Desorption of Single-Stranded DNA from Single-Walled Carbon Nanotubes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1625-1634.	1.7	10
114	Surface Ordering in Binary Mixtures of Protic Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4264-4267.	2.1	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.	2.2	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.	3.1	10
117	Electron energy loss spectroscopy of liquid glycerol. <i>Chemical Physics</i> , 2007, 340, 181-186.	0.9	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.	2.3	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.	3.9	9
120	Porous PEI Coating for Copper Ion Storage and Its Controlled Electrochemical Release. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900123.	2.7	9
121	Concentration Depth Profiles of Inorganic Ions at Liquid Surfaces. <i>Australian Journal of Chemistry</i> , 2010, 63, 434.	0.5	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.	0.7	8
123	Stability of Polymer Interlayer Modified ITO Electrodes for Organic Solar Cells. <i>Australian Journal of Chemistry</i> , 2016, 69, 735.	0.5	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.	1.5	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.	4.0	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.	2.8	8



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127	Optical Properties of the Atomically Precise $C_{40}$ Core $[Au_9(PPH_3)_8]^{3+}$ Cluster Probed by Transient Absorption Spectroscopy and Time-Dependent Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2033-2044.	1.5	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.	1.1	7
129	Internal Structure of Polyelectrolyte Multilayers Probed via Neutral Impact Collision Ion Scattering Spectroscopy. <i>Langmuir</i> , 2005, 21, 2598-2604.	1.6	7
130	On the Growth of Evaporated LiF on P3HT and PCBM. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23420-23431.	1.5	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.	4.0	7
132	The Importance of Schottky Barrier Height in Plasmonically Enhanced Hot-Electron Devices. <i>Advanced Optical Materials</i> , 2021, 9, 2001121.	3.6	7
133	Competing Segregation of $Br^{+}$ and $Cl^{+}$ 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.	1.1	7
134	Multifunctional polymeric surface coatings of carbon fibre electrodes for enhanced energy storage performance. <i>Chemical Engineering Journal</i> , 2022, 447, 137560.	6.6	7
135	Morphological changes of sintered polydopamine coatings. <i>Surface Topography: Metrology and Properties</i> , 2019, 7, 015016.	0.9	6
136	Water/Ethanol Soluble p-Type Conjugated Polymers for the Use in Organic Photovoltaics. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	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.	4.6	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.	3.8	6
139	Suppression of phosphine-protected $Au_9$ cluster agglomeration on $SrTiO_3$ particles using a chromium hydroxide layer. <i>Materials Advances</i> , 2022, 3, 3620-3630.	2.6	6
140	Sensitization of $TiO_2$ nanoarrays by a novel palladium decorated naphthalene diimide functionalized graphene nanoribbons for enhanced photoelectrochemical water splitting. <i>Materials Today Chemistry</i> , 2022, 24, 100900.	1.7	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.	1.2	5
142	Photocatalytic degradation of methylene blue dye using catalyst based on the gold-containing clusters supported on $TiO_2$ . <i>International Journal of Nanotechnology</i> , 2018, 15, 669.	0.1	5
143	Measuring the Density of States of the Inner and Outer Wall of Double-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2018, 8, 448.	1.9	5
144	Efficient Passivation and Low Resistivity for $p^{++}$ - $Si/TiO_2$ Contact by Atomic Layer Deposition. <i>ACS Applied Energy Materials</i> , 2020, 3, 6291-6301.	2.5	5

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