

# Gunther Andersson

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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        |
| 2  | 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         |
| 3  | 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        |
| 4  | Sliding silicon-based Schottky diodes: Maximizing triboelectricity with surface chemistry. <i>Nano Energy</i> , 2022, 93, 106861.   | 8.2 | 15        |
| 5  | Size-€Controlled Nanosculpture of Cylindrical Pores across Multilayer Graphene via Photocatalytic Perforation. <i>Advanced Materials Interfaces</i> , 2022, 9, .  | 1.9 | 4         |
| 6  | 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.  | 1.8 | 5         |
| 7  | Suppression of phosphine-protected Au<sub>9</sub> cluster agglomeration on SrTiO<sub>3</sub> particles using a chromium hydroxide layer. <i>Materials Advances</i> , 2022, 3, 3620-3630.  | 2.6 | 6         |
| 8  | Introducing neat fullerenes to improve the thermal stability of slot-die coated organic solar cells. <i>Materials Advances</i> , 2022, 3, 2838-2849.  | 2.6 | 1         |
| 9  | Surface Passivation of Sputtered NiO<sub><i>x</i></sub> Using a SAM Interface Layer to Enhance the Performance of Perovskite Solar Cells. <i>ACS Omega</i> , 2022, 7, 12147-12157.  | 1.6 | 38        |
| 10 | 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        |
| 11 | 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        |
| 12 | Understanding specific ion effects and the Hofmeister series. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12682-12718.   | 1.3 | 101       |
| 13 | Sensitization of TiO2 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         |
| 14 | 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        |
| 15 | 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        |
| 16 | Dissimilar weld failure: A forensic analysis to determine primary failure mechanisms. <i>Engineering Failure Analysis</i> , 2022, 139, 106453.  | 1.8 | 1         |
| 17 | Ion specificity in the measured concentration depth profile of ions at the Vapor-Glycerol interface. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 687-699.  | 5.0 | 5         |
| 18 | Multifunctional polymeric surface coatings of carbon fibre electrodes for enhanced energy storage performance. <i>Chemical Engineering Journal</i> , 2022, 447, 137560.   | 6.6 | 7         |

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|----|---|-----|-----------|
| 19 | Utilization of green reductant Thuja Orientalis for reduction of GO to RGO. <i>Ceramics International</i> , 2021, 47, 14862-14878.  | 2.3 | 17        |
| 20 | The Importance of Schottky Barrier Height in Plasmonically Enhanced Hot-Electron Devices. <i>Advanced Optical Materials</i> , 2021, 9, 2001121.   | 3.6 | 7         |
| 21 | Composition and properties of RF-sputter deposited titanium dioxide thin films. <i>Nanoscale Advances</i> , 2021, 3, 1077-1086.   | 2.2 | 18        |
| 22 | Influence of TiO <sub>2</sub> surface defects on the adsorption of N719 dye molecules. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22160-22173.  | 1.3 | 0         |
| 23 | The interaction of size-selected Ru <sub>3</sub> clusters with RF-deposited TiO <sub>2</sub> : probing Ru-CO binding sites with CO-temperature programmed desorption. <i>Nanoscale Advances</i> , 2021, 3, 3537-3553.   | 2.2 | 4         |
| 24 | Carbonisation of a polymer made from sulfur and canola oil. <i>Chemical Communications</i> , 2021, 57, 6296-6299.   | 2.2 | 13        |
| 25 | 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        |
| 26 | Optical Properties of the Atomically Precise C <sub>4</sub> Core [Au <sub>9</sub> (PPh <sub>3</sub> ) <sub>8</sub> ] <sup>3+</sup> 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         |
| 27 | 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        |
| 28 | 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        |
| 29 | Innenteilbild: Creation of High-Performance Heterogeneous Photocatalysts by Controlling Ligand Desorption and Particle Size of Gold Nanocluster ( <i>Angew. Chem.</i> 39/2021). <i>Angewandte Chemie</i> , 2021, 133, 21242-21242.  | 1.6 | 0         |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 33 | Chemical degradation in Thermally Cycled Stainless Steel 316 with High-Temperature Phase Change Material. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111216.  | 3.0 | 4         |
| 34 | 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        |
| 35 | 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        |
| 36 | Cr <sub>2</sub> O <sub>3</sub> layer inhibits agglomeration of phosphine-protected Au <sub>9</sub> clusters on TiO <sub>2</sub> films. <i>Journal of Chemical Physics</i> , 2021, 155, 164702.  | 1.2 | 4         |

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|----|--|------|-----------|
| 37 | 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         |
| 38 | 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       |
| 39 | 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        |
| 40 | Mechanism of Organic Solar Cell Performance Degradation upon Thermal Annealing of MoO <sub>x</sub> . <i>ACS Applied Energy Materials</i> , 2020, 3, 366-376.   | 2.5  | 19        |
| 41 | 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        |
| 42 | In Situ Formation of Mixed-Dimensional Surface Passivation Layers in Perovskite Solar Cells with Dual-Isomer Alkylammonium Cations. <i>Small</i> , 2020, 16, e2005022.   | 5.2  | 34        |
| 43 | 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        |
| 44 | Sub-monolayer Au <sub>9</sub> cluster formation via pulsed nozzle cluster deposition. <i>Nanoscale Advances</i> , 2020, 2, 4051-4061.  | 2.2  | 1         |
| 45 | 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        |
| 46 | Water/Ethanol Soluble p-Type Conjugated Polymers for the Use in Organic Photovoltaics. <i>Frontiers in Materials</i> , 2020, 7, .  | 1.2  | 6         |
| 47 | 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        |
| 48 | On the Growth of Evaporated NaF on Phenyl-C61-butyric Acid Methyl Ester and Poly(3-hexylthiophene). <i>Journal of Physical Chemistry C</i> , 2020, 124, 15140-15151.   | 1.5  | 2         |
| 49 | Efficient Passivation and Low Resistivity for p <sup>+</sup> -Si/TiO <sub>2</sub> Contact by Atomic Layer Deposition. <i>ACS Applied Energy Materials</i> , 2020, 3, 6291-6301.  | 2.5  | 5         |
| 50 | 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        |
| 51 | 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        |
| 52 | Porous PEI Coating for Copper Ion Storage and Its Controlled Electrochemical Release. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900123.  | 2.7  | 9         |
| 53 | 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       |
| 54 | Competing Segregation of Br <sup>+</sup> and Cl <sup>+</sup> 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         |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | Investigating the Structure of Self-Assembled Monolayers Related to Biological Cell Membranes. <i>Langmuir</i> , 2019, 35, 14213-14221.   | 1.6 | 11        |
| 57 | Broadening of van Hove Singularities Measured by Photoemission Spectroscopy of Single- and Mixed-Chirality Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26683-26694. | 1.5 | 4         |
| 58 | 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         |
| 59 | Morphological changes of sintered polydopamine coatings. <i>Surface Topography: Metrology and Properties</i> , 2019, 7, 015016.   | 0.9 | 6         |
| 60 | 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        |
| 61 | 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        |
| 62 | Sustainable Polysulfides for Oil Spill Remediation: Repurposing Industrial Waste for Environmental Benefit. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800024.   | 2.7 | 120       |
| 63 | 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        |
| 64 | Photocatalytic degradation of methylene blue dye using catalyst based on the gold-containing clusters supported on TiO <sub>2</sub> . <i>International Journal of Nanotechnology</i> , 2018, 15, 669.       | 0.1 | 5         |
| 65 | 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        |
| 66 | 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       |
| 67 | 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         |
| 68 | Dipole Formation at the MoO <sub>3</sub> /Conjugated Polymer Interface. <i>Advanced Functional Materials</i> , 2018, 28, 1802825.   | 7.8 | 24        |
| 69 | On the Growth of Evaporated LiF on P3HT and PCBM. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23420-23431.  | 1.5 | 7         |
| 70 | 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        |
| 71 | 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         |
| 72 | 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        |

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|----|--|------|-----------|
| 73 | Light-Induced Interfacial Dynamics Dramatically Improve the Photocurrent in Dye-Sensitized Solar Cells: An Electrolyte Effect. ACS Applied Materials & Interfaces, 2018, 10, 26241-26247.                        | 4.0  | 7         |
| 74 | High-Speed OLEDs and Area-Emitting Light-Emitting Transistors from a Tetracyclic Lactim Semiconducting Polymer. Advanced Optical Materials, 2018, 6, 1800768.  | 3.6  | 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.                               | 1.5  | 19        |
| 76 | Poly(4-vinylpyridine): A New Interface Layer for Organic Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 10929-10936.  | 4.0  | 38        |
| 77 | The direct measurement of the electronic density of states of graphene using metastable induced electron spectroscopy. 2D Materials, 2017, 4, 025068.  | 2.0  | 15        |
| 78 | Adsorption and Desorption of Single-Stranded DNA from Single-Walled Carbon Nanotubes. Chemistry - an Asian Journal, 2017, 12, 1625-1634.   | 1.7  | 10        |
| 79 | Apparatus for the investigation of high-temperature, high-pressure gas-phase heterogeneous catalytic and photo-catalytic materials. Review of Scientific Instruments, 2017, 88, 054101.                          | 0.6  | 4         |
| 80 | EXAFS, ab Initio Molecular Dynamics, and NICIS Spectroscopy Studies on an Organic Dye Model at the Dye-Sensitized Solar Cell Photoelectrode Interface. ACS Applied Materials & Interfaces, 2017, 9, 19773-19779. | 4.0  | 8         |
| 81 | Thermodynamics and structure of liquid surfaces investigated directly with surface analytical tools**. Annalen Der Physik, 2017, 529, 1600230.   | 0.9  | 20        |
| 82 | Nitrogen-Doped CN <sub>x</sub> /CNTs Heteroelectrocatalysts for Highly Efficient Dye-Sensitized Solar Cells. Advanced Energy Materials, 2017, 7, 1602276.  | 10.2 | 102       |
| 83 | Surface Ordering in Binary Mixtures of Protic Ionic Liquids. Journal of Physical Chemistry Letters, 2017, 8, 4264-4267.  | 2.1  | 10        |
| 84 | Investigation of Ligand-Stabilized Gold Clusters on Defect-Rich Titania. Journal of Physical Chemistry C, 2017, 121, 28007-28016.  | 1.5  | 20        |
| 85 | Ordering in Surfactant Foam Films Transferred onto Hydrophilic and Hydrophobic Substrates. Journal of Physical Chemistry C, 2017, 121, 25967-25977.  | 1.5  | 2         |
| 86 | Versatile PbS Quantum Dot Ligand Exchange Systems in the Presence of Pb-Thiolates. Small, 2017, 13, 1602956.   | 5.2  | 23        |
| 87 | Atomically resolved structure of ligand-protected Au <sub>9</sub> clusters on TiO <sub>2</sub> nanosheets using aberration-corrected STEM. Journal of Chemical Physics, 2016, 144, 114703.                       | 1.2  | 25        |
| 88 | A Systematic Density Functional Theory Study of the Complete De-ligation of Ru <sub>3</sub> (CO) <sub>12</sub> . ChemistrySelect, 2016, 1, 1163-1167.  | 0.7  | 8         |
| 89 | Stability of Polymer Interlayer Modified ITO Electrodes for Organic Solar Cells. Australian Journal of Chemistry, 2016, 69, 735.   | 0.5  | 8         |
| 90 | Grouping and aggregation of ligand protected Au <sub>9</sub> clusters on TiO <sub>2</sub> nanosheets. RSC Advances, 2016, 6, 110765-110774.  | 1.7  | 17        |

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|-----|---|------|-----------|
| 91  | 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        |
| 92  | Nanoscale heterogeneity and workfunction variations in ZnO thin films. <i>Applied Surface Science</i> , 2016, 363, 516-521.   | 3.1  | 27        |
| 93  | 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         |
| 94  | The effect of counter ions on the far-infrared spectra of tris(triphenylphosphinegold)oxonium dimer salts. <i>RSC Advances</i> , 2015, 5, 74499-74505.  | 1.7  | 3         |
| 95  | Transfer of Ordered Phospholipid Films onto Solid Substrates from a Drained Foam Film. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22496-22503.   | 1.5  | 3         |
| 96  | 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       |
| 97  | Change of Surface Structure upon Foam Film Formation. <i>ChemPhysChem</i> , 2015, 16, 733-738.  | 1.0  | 12        |
| 98  | Pathway to high throughput, low cost indium-free transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13892-13899.  | 5.2  | 15        |
| 99  | Electronic and chemical properties of ZnO in inverted organic photovoltaic devices. <i>Organic Electronics</i> , 2015, 24, 131-136.   | 1.4  | 24        |
| 100 | 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        |
| 101 | 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       |
| 102 | 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        |
| 103 | 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        |
| 104 | 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        |
| 105 | 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        |
| 106 | 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        |
| 107 | Invisible high workfunction materials on heterogeneous surfaces. <i>Applied Surface Science</i> , 2015, 327, 22-26.   | 3.1  | 18        |
| 108 | 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        |



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|-----|--|------|-----------|
| 109 | 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        |
| 110 | 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        |
| 111 | Deconvolution of NICISS profiles involving elements of similar masses. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 340, 63-66.  | 0.6  | 3         |
| 112 | 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        |
| 113 | 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        |
| 114 | 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        |
| 115 | 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        |
| 116 | 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        |
| 117 | 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        |
| 118 | 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        |
| 119 | Chemically-synthesised, atomically-precise gold clusters deposited and activated on titania. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3917.  | 1.3  | 111       |
| 120 | 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        |
| 121 | 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        |
| 122 | Highly conductive interwoven carbon nanotube and silver nanowire transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 035004.   | 2.8  | 40        |
| 123 | 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        |
| 124 | Surface structure of a $\pi$ -non-amphiphilic $\epsilon$ -protic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5106.  | 1.3  | 29        |
| 125 | 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       |
| 126 | Comparing the charge distribution along the surface normal in the [C <sub>6</sub> mim] <sup>+</sup> ionic liquid with different anions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 149-153.                            | 2.3  | 9         |



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|-----|---|-----|-----------|
| 127 | 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        |
| 128 | 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        |
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