Michael J. Ford

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68 141 5,170 37 h-index g-index citations papers 6,053 5.96 152 5.9 L-index avg, IF ext. citations ext. papers

| # | Paper | IF | Citations |
|-----|---|--------------|-----------|
| 141 | Density functionals with asymptotic-potential corrections are required for the simulation of spectroscopic properties of materials <i>Chemical Science</i> , 2022 , 13, 1492-1503 | 9.4 | O |
| 140 | A bright future for engineering piezoelectric 2D crystals Chemical Society Reviews, 2021, | 58.5 | 3 |
| 139 | Accurate prediction of the properties of materials using the CAM-B3LYP density functional. <i>Journal of Computational Chemistry</i> , 2021 , 42, 1486-1497 | 3.5 | 11 |
| 138 | Identifying carbon as the source of visible single-photon emission from hexagonal boron nitride. <i>Nature Materials</i> , 2021 , 20, 321-328 | 27 | 78 |
| 137 | Modeling of metal nanoparticles: Development of neural-network interatomic potential inspired by features of the modified embedded-atom method. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 1 |
| 136 | Role of knock-on in electron beam induced etching of diamond. <i>Carbon</i> , 2020 , 164, 51-58 | 10.4 | 2 |
| 135 | Single-photon emitters in hexagonal boron nitride: a review of progress. <i>Reports on Progress in Physics</i> , 2020 , 83, 044501 | 14.4 | 52 |
| 134 | Photoluminescence, photophysics, and photochemistry of the VBIdefect in hexagonal boron nitride. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 21 |
| 133 | Theoretical spectroscopy of the VNNB defect in hexagonal boron nitride. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 8 |
| 132 | Observation of near-infrared sub-Poissonian photon emission in hexagonal boron nitride at room temperature. <i>APL Photonics</i> , 2020 , 5, 076103 | 5.2 | 7 |
| 131 | Convergence of Defect Energetics Calculations. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21178-21183 | 3 3.8 | 9 |
| 130 | Edge effects on optically detected magnetic resonance of vacancy defects in hexagonal boron nitride. <i>Communications Physics</i> , 2020 , 3, | 5.4 | 13 |
| 129 | High Throughput Screening of Millions of van der Waals Heterostructures for Superlubricant Applications. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000029 | 3.5 | 4 |
| 128 | Efficient Production of Phosphorene Nanosheets via Shear Stress Mediated Exfoliation for Low-Temperature Perovskite Solar Cells. <i>Small Methods</i> , 2019 , 3, 1800521 | 12.8 | 42 |
| 127 | Structure, stability and water adsorption on ultra-thin TiO supported on TiN. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25344-25361 | 3.6 | 2 |
| 126 | Efficient Prediction of Structural and Electronic Properties of Hybrid 2D Materials Using Complementary DFT and Machine Learning Approaches. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1800 | 0∮258 | 34 |
| 125 | Anisotropic functionalization of upconversion nanoparticles. <i>Chemical Science</i> , 2018 , 9, 4352-4358 | 9.4 | 31 |

(2017-2018)

| 124 | Defect states in hexagonal boron nitride: Assignments of observed properties and prediction of properties relevant to quantum computation. <i>Physical Review B</i> , 2018 , 97, | 3.3 | 81 |
|-----|---|---------------|-----|
| 123 | Electrocatalytic Activity of a 2D Phosphorene-Based Heteroelectrocatalyst for Photoelectrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2644-2647 | 16.4 | 39 |
| 122 | Electrocatalytic Activity of a 2D Phosphorene-Based Heteroelectrocatalyst for Photoelectrochemical Cells. <i>Angewandte Chemie</i> , 2018 , 130, 2674-2677 | 3.6 | 8 |
| 121 | Understanding and Calibrating Density-Functional-Theory Calculations Describing the Energy and Spectroscopy of Defect Sites in Hexagonal Boron Nitride. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 1602-1613 | 6.4 | 42 |
| 120 | Magnetic properties of stoichiometric and defective CoS. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 2356-2362 | 3.6 | 11 |
| 119 | Single photon emission from plasma treated 2D hexagonal boron nitride. <i>Nanoscale</i> , 2018 , 10, 7957-790 | 6 5 .7 | 64 |
| 118 | Evaluation of van der Waals density functionals for layered materials. <i>Physical Review Materials</i> , 2018 , 2, | 3.2 | 47 |
| 117 | Ab Initio Investigation of Water Adsorption and Hydrogen Evolution on CoS and CoS Low-Index Surfaces. <i>ACS Omega</i> , 2018 , 3, 12215-12228 | 3.9 | 11 |
| 116 | van der Waals forces control ferroelectric-antiferroelectric ordering in CuInPS and CuBiPSe laminar materials. <i>Chemical Science</i> , 2018 , 9, 7620-7627 | 9.4 | 21 |
| 115 | van der Waals Forces Control the Internal Chemical Structure of Monolayers within the Lamellar Materials CuInP2S6 and CuBiP2Se6. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22675-22687 | 3.8 | 11 |
| 114 | High-performance Na ion cathodes based on the ubiquitous and reversible O redox reaction. Journal of Materials Chemistry A, 2018 , 6, 24120-24127 | 13 | 5 |
| 113 | Superconductivity in intercalated buckled two-dimensional materials: KGe. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24027-24032 | 3.6 | 1 |
| 112 | Indirect excitons in hydrogen-doped ZnO. Journal Physics D: Applied Physics, 2017, 50, 115104 | 3 | 2 |
| 111 | Robust Solid-State Quantum System Operating at 800 K. ACS Photonics, 2017, 4, 768-773 | 6.3 | 68 |
| 110 | Competition of van der Waals and chemical forces on goldBulfur surfaces and nanoparticles. <i>Nature Reviews Chemistry</i> , 2017 , 1, | 34.6 | 72 |
| 109 | Sulfur ligand mediated electrochemistry of gold surfaces and nanoparticles: What, how, and why. <i>Current Opinion in Electrochemistry</i> , 2017 , 1, 7-15 | 7.2 | 26 |
| 108 | Efficiency Enhancement of Single-Walled Carbon Nanotube-Silicon Heterojunction Solar Cells Using Microwave-Exfoliated Few-Layer Black Phosphorus. <i>Advanced Functional Materials</i> , 2017 , 27, 1704488 | 15.6 | 36 |
| 107 | Tunable and high-purity room temperature single-photon emission from atomic defects in hexagonal boron nitride. <i>Nature Communications</i> , 2017 , 8, 705 | 17.4 | 226 |

| 106 | First-principles investigation of quantum emission from hBN defects. <i>Nanoscale</i> , 2017 , 9, 13575-13582 | 7.7 | 122 |
|-----|--|------|-----|
| 105 | Layer-by-Layer Assembly of Multilayer Thin Films for Organic Optoelectronic Devices. <i>Small Methods</i> , 2017 , 1, 1700264 | 12.8 | 29 |
| 104 | Efficient and Fast Synthesis of Few-Layer Black Phosphorus via Microwave-Assisted Liquid-Phase Exfoliation. <i>Small Methods</i> , 2017 , 1, 1700260 | 12.8 | 47 |
| 103 | Surface Adsorption 2017 , 387-416 | | 3 |
| 102 | Robust Multicolor Single Photon Emission from Point Defects in Hexagonal Boron Nitride. <i>ACS Nano</i> , 2016 , 10, 7331-8 | 16.7 | 285 |
| 101 | Problems, successes and challenges for the application of dispersion-corrected density-functional theory combined with dispersion-based implicit solvent models to large-scale hydrophobic self-assembly and polymorphism. <i>Molecular Simulation</i> , 2016 , 42, 494-510 | 2 | 13 |
| 100 | From Chaos to Order: Chain-Length Dependence of the Free Energy of Formation of Meso-tetraalkylporphyrin Self-Assembled Monolayer Polymorphs. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1739-1748 | 3.8 | 13 |
| 99 | Quantum emission from hexagonal boron nitride monolayers. <i>Nature Nanotechnology</i> , 2016 , 11, 37-41 | 28.7 | 675 |
| 98 | Quantum Emission from Hexagonal Boron Nitride Monolayers 2016 , | | 1 |
| 97 | Ultra-bright emission from hexagonal boron nitride defects as a new platform for bio-imaging and bio-labelling 2016 , | | 1 |
| 96 | Gold surfaces and nanoparticles are protected by Au(0)-thiyl species and are destroyed when Au(I)-thiolates form. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E1424-33 | 11.5 | 83 |
| 95 | Localized Probing of Gas Molecule Adsorption Energies and Desorption Attempt Frequencies. Journal of Physical Chemistry C, 2015 , 119, 15948-15953 | 3.8 | 11 |
| 94 | A priori calculations of the free energy of formation from solution of polymorphic self-assembled monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6101-10 | 11.5 | 32 |
| 93 | Electron-Beam-Induced Deposition as a Technique for Analysis of Precursor Molecule Diffusion Barriers and Prefactors. <i>ACS Applied Materials & Empty Interfaces</i> , 2015 , 7, 21408-15 | 9.5 | 5 |
| 92 | Phase transitions and optical properties of the semiconducting and metallic phases of single-layer MoSIINanotechnology, 2015 , 26, 435705 | 3.4 | 12 |
| 91 | Determination of the elastic properties of graphene by indentation and the validity of classical models of indentation. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 015307 | 1.8 | 8 |
| 90 | Local plasmon resonances of metal-in-metal core-shells. <i>Optics Express</i> , 2014 , 22, 3186-98 | 3.3 | 14 |
| 89 | Phonon pressure coefficients and deformation potentials of wurtzite AlN determined by uniaxial pressure-dependent Raman measurements. <i>Physical Review B</i> , 2014 , 90, | 3.3 | 13 |

(2008-2013)

| 88 | Li-ion adsorption and diffusion on two-dimensional silicon with defects: a first principles study. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> , 10690-5 | 9.5 | 63 |
|----|--|------|-----|
| 87 | Hydrogen adsorption capacity of adatoms on double carbon vacancies of graphene: A trend study from first principles. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 85 |
| 86 | Molecular rectifiers based on donor/acceptor assemblies: effect of orientation of the components' magnetic moments. <i>Nanoscale</i> , 2013 , 5, 6518-24 | 7.7 | 6 |
| 85 | Damping of Plasmons of Closely Coupled Sphere Chains Due to Disordered Gaps. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1335-1343 | 3.8 | 5 |
| 84 | Mesoporous NiO crystals with dominantly exposed {110} reactive facets for ultrafast lithium storage. <i>Scientific Reports</i> , 2012 , 2, 924 | 4.9 | 138 |
| 83 | Role of activated chemisorption in gas-mediated electron beam induced deposition. <i>Physical Review Letters</i> , 2012 , 109, 146103 | 7.4 | 31 |
| 82 | Systematic study of bimodal suspensions of latex nanoparticles using dynamic light scattering. <i>Advanced Powder Technology</i> , 2011 , 22, 290-293 | 4.6 | 18 |
| 81 | SIESTA: Properties and Applications 2011 , 367-395 | | 1 |
| 80 | A review of the optical properties of alloys and intermetallics for plasmonics. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 143201 | 1.8 | 195 |
| 79 | Transmitting hertzian optical nanoantenna with free-electron feed. Nano Letters, 2010 , 10, 3250-2 | 11.5 | 36 |
| 78 | Universal scaling of local plasmons in chains of metal spheres. <i>Optics Express</i> , 2010 , 18, 7528-42 | 3.3 | 26 |
| 77 | Chemical analysis of the superatom model for sulfur-stabilized gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8378-84 | 16.4 | 80 |
| 76 | Designing materials for plasmonic systems: the alkali-noble intermetallics. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 095501 | 1.8 | 35 |
| 75 | Plasmonic Resonances of Closely Coupled Gold Nanosphere Chains. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2784-2791 | 3.8 | 75 |
| 74 | Rapid and Controllable Sintering of Gold Nanoparticle Inks at Room Temperature Using a Chemical Agent. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1325-1328 | 3.8 | 58 |
| 73 | Optical properties of intermetallic compounds from first principles calculations: a search for the ideal plasmonic material. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 144211 | 1.8 | 40 |
| 72 | Search for the Ideal Plasmonic Nanoshell: The Effects of Surface Scattering and Alternatives to Gold and Silver. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3041-3045 | 3.8 | 167 |
| | | | |

| 70 | Rectification in donor-acceptor molecular Junctions. Journal of Physics Condensed Matter, 2008, 20, 374 | 10.6 | 22 |
|----|---|------|-----|
| 69 | First principles calculations using density matrix divide-and-conquer within the SIESTA methodology. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 294208 | 1.8 | 11 |
| 68 | Tunable infrared absorption by metal nanoparticles: The case for gold rods and shells 2008 , 41, 5-14 | | 53 |
| 67 | Compton scattering study of electron momentum distribution in lithium fluoride using 662 keV gamma radiations. <i>Physica B: Condensed Matter</i> , 2008 , 403, 4309-4313 | 2.8 | 3 |
| 66 | Ab initio molecular dynamical investigation of the finite temperature behavior of the tetrahedral Au19 and Au20 clusters. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10769-75 | 2.8 | 33 |
| 65 | Ethynylbenzene monolayers on gold: a metal-molecule binding motif derived from a hydrocarbon. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3533-8 | 16.4 | 29 |
| 64 | Exploring the performance of molecular rectifiers: limitations and factors affecting molecular rectification. <i>Nano Letters</i> , 2007 , 7, 3018-22 | 11.5 | 30 |
| 63 | Laser-induced assembly of gold nanoparticles into colloidal crystals. <i>Nanotechnology</i> , 2007 , 18, 365301 | 3.4 | 10 |
| 62 | A plasmon-induced current loop in gold semi-shells. <i>Nanotechnology</i> , 2007 , 18, 235704 | 3.4 | 79 |
| 61 | Active control of the optical properties of nanoscale coatings using 'smart' nanoparticles 2007, | | 2 |
| 60 | Plasmon absorption in nanospheres: A comparison of sodium, potassium, aluminium, silver and gold. <i>Physica B: Condensed Matter</i> , 2007 , 394, 184-187 | 2.8 | 92 |
| 59 | Plasmonic heating and its possible exploitation in nanolithography. <i>Physica B: Condensed Matter</i> , 2007 , 394, 188-192 | 2.8 | 21 |
| 58 | Electron tunneling in the presence of adsorbed molecules. <i>Surface Science</i> , 2007 , 601, 5715-5720 | 1.8 | 1 |
| 57 | Stability of the tetrahedral motif for small gold clusters in the size range 1624 atoms. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 140, 177-181 | 3.1 | 3 |
| 56 | Ab initioand empirical studies on the asymmetry of molecular current loltage characteristics. Journal of Physics Condensed Matter, 2007 , 19, 215206 | 1.8 | 11 |
| 55 | The effect of reciprocal-space sampling and basis set quality on the calculated conductance of a molecular junction. <i>Molecular Simulation</i> , 2007 , 33, 897-904 | 2 | 7 |
| 54 | Core-shell nanoparticles with self-regulating plasmonic functionality. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 28 |
| 53 | Adsorption of Amine Compounds on the Au(111) Surface: A Density Functional Study. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13886-13891 | 3.8 | 115 |

(2005-2006)

| 52 | Anisotropic Optical Properties of Semitransparent Coatings of Gold Nanocaps. <i>Advanced Functional Materials</i> , 2006 , 16, 1457-1461 | 15.6 | 40 |
|----|--|---------|-----|
| 51 | A new class of self-assembled monolayers on gold using an alkynyl group as a linker 2006, | | 1 |
| 50 | 2006, | | 1 |
| 49 | Effect of dipole moment on current-voltage characteristics of single molecules 2006, | | 1 |
| 48 | Adsorption and dimerisation of thiol molecules on Au(111) using a Z-matrix approach in density functional theory. <i>Molecular Simulation</i> , 2006 , 32, 1219-1225 | 2 | 19 |
| 47 | Adsorption of Benzene on Copper, Silver, and Gold Surfaces. <i>Journal of Chemical Theory and Computation</i> , 2006 , 2, 1093-105 | 6.4 | 130 |
| 46 | Effect of composition and packing configuration on the dichroic optical properties of coinage metal nanorods. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 3520-7 | 3.6 | 37 |
| 45 | Implementation of a Z-matrix approach within the SIESTA periodic boundary conditions code and its application to surface adsorption. <i>Molecular Simulation</i> , 2006 , 32, 595-600 | 2 | 9 |
| 44 | Optimization of plasmonic heating by gold nanospheres and nanoshells. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 10701-7 | 3.4 | 127 |
| 43 | THE APPLICATION OF GOLD SURFACES AND PARTICLES IN NANOTECHNOLOGY. <i>Surface Review and Letters</i> , 2006 , 13, 297-307 | 1.1 | 28 |
| 42 | Controlled Assembly of 1,4-Phenylenedimethanethiol Molecular Nanostructures. <i>Chemistry of Materials</i> , 2006 , 18, 2376-2380 | 9.6 | 13 |
| 41 | Melting in small gold clusters: a density functional molecular dynamics study. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 55-74 | 1.8 | 35 |
| 40 | Measuring the electronic structure of disordered overlayers by electron momentum spectroscopy: the Cu/Si interface. <i>Surface and Interface Analysis</i> , 2006 , 38, 1236-1241 | 1.5 | 3 |
| 39 | Prediction of increased tunneling current by bond length stretch in molecular break junctions. <i>Chemical Physics Letters</i> , 2006 , 429, 503-506 | 2.5 | 13 |
| 38 | Theoretical study of ethynylbenzene adsorption on Au(111) and implications for a new class of self-assembled monolayer. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 20387-92 | 3.4 | 58 |
| 37 | Conduction, storage, and leakage in particle-on-SAM nanocapacitors. <i>IEEE Nanotechnology Magazine</i> , 2005 , 4, 406-414 | 2.6 | 9 |
| 36 | Investigation of the optical properties of hollow aluminium 🛭 ano-caps 🗆 Nanotechnology, 2005 , 16, 3023 | -390428 | 30 |
| 35 | Compton profile of polycrystalline sodium chloride and sodium fluoride. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 234, 185-193 | 1.2 | 3 |

| 34 | Growth Kinetics and Modeling of ZnO Nanoparticles. <i>Journal of Chemical Education</i> , 2005 , 82, 775 | 2.4 | 51 |
|----|--|--------|----|
| 33 | The effect of surface symmetry on the adsorption energetics of SCH3 on gold surfaces studied using Density Functional Theory. <i>Surface Science</i> , 2005 , 580, 19-29 | 1.8 | 35 |
| 32 | Absorption energetics and simulation of STM images for fluorobenzene on the Cu(110) surface. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2004 , 12, 1109-1120 | 2 | 2 |
| 31 | Teaching Undergraduates Nanotechnology. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 827, 151 | | 1 |
| 30 | Ab initio study of benzene adsorption on the Cu(110) surface and simulation of STM images. <i>Surface Science</i> , 2004 , 548, 29-40 | 1.8 | 39 |
| 29 | Electronic band structure of calcium oxide. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004 , 141, 27-38 | 1.7 | 24 |
| 28 | Low energy structures of gold nanoclusters in the size range 3B8 atoms. <i>Computational and Theoretical Chemistry</i> , 2004 , 686, 193-205 | | 57 |
| 27 | Design of nanocapacitors and associated materials challenges. Current Applied Physics, 2004, 4, 250-254 | 2.6 | 6 |
| 26 | Energy-efficient coatings in the NanohouseTM Initiative. Current Applied Physics, 2004, 4, 381-384 | 2.6 | 1 |
| 25 | Liquid-Crystal Displays: Fabrication and Measurement of a Twisted Nematic Liquid-Crystal Cell. <i>Journal of Chemical Education</i> , 2004 , 81, 854 | 2.4 | 13 |
| 24 | Trends in the band structures of the group-I and -II oxides. <i>Journal of Chemical Physics</i> , 2004 , 120, 10799 | 9-3896 | 16 |
| 23 | Electronic band structure of beryllium oxide. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 3567-3581 | 1.8 | 42 |
| 22 | Electron momentum spectroscopy and linear combination of atomic orbitals calculation of bulk Na2O. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 2155-2168 | 1.8 | 13 |
| 21 | The electronic structure of Be and BeO: benchmark EMS measurements and LCAO calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 495-505 | 3.9 | 18 |
| 20 | Energy and momentum resolved band structure of K2O: electron momentum spectroscopy and linear combination of atomic orbitals calculation. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 6955-69 | 968 | 9 |
| 19 | The electronic band structure of Li2O: testing theoretical predictions using electron momentum spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 3587-3598 | 1.8 | 23 |
| 18 | Conduction band electronic structure of metallic beryllium. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 4203-4219 | 1.8 | 8 |
| 17 | Time-resolved study of beryllium surface reactions using electron momentum spectroscopy of the core-level. <i>Surface Science</i> , 2001 , 495, 35-43 | 1.8 | 2 |

LIST OF PUBLICATIONS

| 16 | Preparation of a 10 nm thick single-crystal silicon membrane self-supporting over a diameter of 1 mm. <i>Applied Surface Science</i> , 2000 , 162-163, 359-367 | 6.7 | 11 |
|----|--|-----|----|
| 15 | The valence band structures of BeO, MgO, and CaO. <i>Journal of Chemical Physics</i> , 2000 , 113, 8175-8182 | 3.9 | 23 |
| 14 | Energy-resolved momentum densities for the valence band of a nanoscale Si single crystal. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 125-136 | 1.8 | 16 |
| 13 | Electronic band structure of metallic calcium measured by electron momentum spectroscopy. Journal of Physics Condensed Matter, 2000 , 12, 9407-9423 | 1.8 | 6 |
| 12 | Electronic band structure of magnesium and magnesium oxide: experiment and theory. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 7507-7522 | 1.8 | 23 |
| 11 | Electron-impact double ionization of magnesium. <i>Physical Review A</i> , 1998 , 57, 325-330 | 2.6 | 9 |
| 10 | Valence-band energy-momentum densities of amorphous SiO2 by (e,2e) spectroscopy. <i>Physical Review B</i> , 1998 , 57, 4349-4357 | 3.3 | 12 |
| 9 | Partitioning of Momentum in Electron-Impact Double Ionization 1997 , 85-92 | | |
| 8 | Partitioning of Momentum in Electron-Impact Double Ionization of Magnesium. <i>Physical Review Letters</i> , 1996 , 77, 2650-2653 | 7.4 | 11 |
| 7 | (e,3e) observation of the angular correlation between ejected and Auger electrons in the double ionization of magnesium. <i>Physical Review A</i> , 1995 , 51, 418-423 | 2.6 | 17 |
| 6 | Multiple detector triple coincidence spectrometer for (e,3e) electron impact double-ionization measurements. <i>Review of Scientific Instruments</i> , 1995 , 66, 3137-3143 | 1.7 | 22 |
| 5 | Histogramming data acquisition system for an (e,2e) coincidence experiment. <i>Review of Scientific Instruments</i> , 1992 , 63, 1922-1926 | 1.7 | 9 |
| 4 | The ejected-electron spectra of manganese and samarium vapour atoms arising from autoionizing and Auger transitions following electron impact excitation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1990 , 23, 4247-4262 | 1.3 | 4 |
| 3 | . Journal of Physics B: Atomic and Molecular Physics, 1987 , 20, 4241-4253 | | 3 |
| 2 | Quantum electrical characteristics of nanocapacitors | | 3 |
| 1 | Active Learning in Bayesian Neural Networks for Bandgap Predictions of Novel Van der Waals Heterostructures. <i>Advanced Intelligent Systems</i> ,2100080 | 6 | 1 |