# Aloysius Soon

List of Publications by Year
in descending order



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|---|---|---|---|
| 120 papers | 4,772 citations | 126708 33 h-index | 102304 66 g-index |
| 123 all docs | 123 docs citations | 123 times ranked | 7251 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Singleâ€Atom Catalyst of Platinum Supported on Titanium Nitride for Selective Electrochemical Reactions. Angewandte Chemie - International Edition, 2016, 55, 2058-2062. | 7.2 | 708 |
| 2 | Support Effects in Single-Atom Platinum Catalysts for Electrochemical Oxygen Reduction. ACS Catalysis, 2017, 7, 1301-1307. | 5.5 | 363 |
| 3 | Thermodynamic stability and structure of copper oxide surfaces: A first-principles investigation. Physical Review B, 2007, 75, . | 1.1 | 275 |
| 4 | Oxygen adsorption and stability of surface oxides onCu(111): A first-principles investigation. Physical Review B, 2006, 73, . | 1.1 | 248 |
| 5 | Stability and morphology of cerium oxide surfaces in an oxidizing environment: A first-principles investigation. Journal of Chemical Physics, 2009, 131, . | 1.2 | 150 |
| 6 | Anharmonicity in the High-Temperature<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>m</mml:mi><mml:mi>c</mml:mi><mml:mi>m</mml:mi></mml:math>Phase of SnSe: Soft Modes and Three-Phonon Interactions. Physical Review Letters, 2016, 117, 075502. | 2.9 | 147 |
| 7 | Density functional study of oxygen on Cu(100) and Cu(110) surfaces. Physical Review B, 2010, 81, . | 1.1 | 130 |
| 8 | Shape effects of cuprous oxide particles on stability in water and photocatalytic water splitting. Journal of Materials Chemistry A, 2015, 3, 156-162. | 5.2 | 114 |
| 9 | Hydrogen-doped viscoplastic liquid metal microparticles for stretchable printed metal lines. Nature Materials, 2021, 20, 533-540. | 13.3 | 111 |
| 10 | Native defect-induced multifarious magnetism in nonstoichiometric cuprous oxide: First-principles study of bulk and surface properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mr Physical Review B, 2009, 79, . | 1.1 | 109 |
| 11 | Singleâ€Atom Catalyst of Platinum Supported on Titanium Nitride for Selective Electrochemical Reactions. Angewandte Chemie, 2016, 128, 2098-2102. | 1.6 | 94 |
| 12 | Influence of Rb/Cs Cation-Exchange on Inorganic Sn Halide Perovskites: From Chemical Structure to Physical Properties. Chemistry of Materials, 2017, 29, 3181-3188. | 3.2 | 89 |
| 13 | The role of titanium nitride supports for single-atom platinum-based catalysts in fuel cell technology. Physical Chemistry Chemical Physics, 2012, 14, 16552. | 1.3 | 88 |
| 14 | Plane-wave pseudopotential density functional theory periodic slab calculations of CO adsorption on Cu2O(111) surface. Surface Science, 2005, 579, 131-140. | 0.8 | 78 |
| 15 | Steam treatment on Ni/Î³-Al2O3 for enhanced carbon resistance in combined steam and carbon dioxide reforming of methane. Applied Catalysis B: Environmental, 2013, 134-135, 103-109. | 10.8 | 78 |
| 16 | The austenite/É› martensite interface: A first-principles investigation of the fcc Fe(1 1 1)/hcp Fe(0 0 0 1) system. Applied Surface Science, 2012, 258, 9977-9981. | 3.1 | 69 |
| 17 | Solution-based synthesis of anisotropic metal chalcogenide nanocrystals and their applications. Journal of Materials Chemistry C, 2014, 2, 6222-6248. | 2.7 | 66 |
| 18 | Electronic structure modification of platinum on titanium nitride resulting in enhanced catalytic activity and durability for oxygen reduction and formic acid oxidation. Applied Catalysis B: Environmental, 2015, 174-175, 35-42. | 10.8 | 63 |

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|---|---|---|---|
| 19 | Surface oxides of the oxygenâ€“copper system: Precursors to the bulk oxide phase?. Surface Science, 2007, 601, 5809-5813. | 0.8 | 60 |
| 20 | Stability, structure, and electronic properties of chemisorbed oxygen and thin surface oxides on Ir(111). Physical Review B, 2008, 78, . | 1.1 | 51 |
| 21 | Identification of critical stacking faults in thin-film CdTe solar cells. Applied Physics Letters, 2014, 105, . | 1.5 | 48 |
| 22 | Unraveling the Intercalation Chemistry of Hexagonal Tungsten Bronze and Its Optical Responses. Chemistry of Materials, 2016, 28, 4528-4535. | 3.2 | 47 |
| 23 | Revisiting Polytypism in Hexagonal Ternary Sulfide ZnIn<sub>2</sub>S<sub>4</sub> for Photocatalytic Hydrogen Production Within the Z-Scheme. Chemistry of Materials, 2019, 31, 9148-9155. | 3.2 | 47 |
| 24 | Understanding the advantage of hexagonal WO<sub>3</sub>as an efficient photoanode for solar water splitting: a first-principles perspective. Journal of Materials Chemistry A, 2016, 4, 11498-11506. | 5.2 | 45 |
| 25 | Ab initiolattice dynamics and thermal expansion of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2009, 80, . | 1.1 | 43 |
| 26 | First principles study of 3d transition metal doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0020.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:math>. Journal of Magnetism and Magnetic Materials, 2012, 324, 3138-3143. | 1.0 | 40 |
| 27 | The mechanism of dynamic strain aging for type A serrations in tensile flow curves of Fe-18Mn-0.55C (wt.%) twinning-induced plasticity steel. Acta Materialia, 2020, 188, 366-375. | 3.8 | 40 |
| 28 | Nitrogen adsorption and thin surface nitrides on Cu(111) from first-principles. Surface Science, 2007, 601, 4775-4785. | 0.8 | 39 |
| 29 | Oneâ€Step Solution Phase Growth of Transition Metal Dichalcogenide Thin Films Directly on Solid Substrates. Advanced Materials, 2017, 29, 1700291. | 11.1 | 39 |
| 30 | Control over Electronâ€“Phonon Interaction by Dirac Plasmon Engineering in the Bi<sub>2</sub>Se<sub>3</sub> Topological Insulator. Nano Letters, 2018, 18, 734-739. | 4.5 | 39 |
| 31 | Morphology of copper nanoparticles in a nitrogen atmosphere: A first-principles investigation. Physical Review B, 2008, 77, . | 1.1 | 38 |
| 32 | Nonstoichiometric Nucleation and Growth of Multicomponent Nanocrystals in Solution. Accounts of Chemical Research, 2014, 47, 2887-2893. | 7.6 | 38 |
| 33 | Electronic structure and band alignment of zinc nitride, Zn<sub>3</sub>N<sub>2</sub>. RSC Advances, 2014, 4, 3306-3311. | 1.7 | 38 |
| 34 | Phase Stability Diagrams of Group 6 MagnÃ©li Oxides and Their Implications for Photon-Assisted Applications. Chemistry of Materials, 2019, 31, 4282-4290. | 3.2 | 38 |
| 35 | Environment-dependent nanomorphology of TiN: the influence of surface vacancies. Nanoscale, 2012, 4, 5183. | 2.8 | 32 |
| 36 | Exploring stereographic surface energy maps of cubic metals via an effective pair-potential approach. Physical Review B, 2016, 93, . | 1.1 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The Z-phase in 9â€“12% Cr ferritic steels: A phase stability analysis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 505, 1-5. | 2.6 | 31 |
| 38 | Bismuth Islands for Low-Temperature Sodium-Beta Alumina Batteries. ACS Applied Materials & Interfaces, 2019, 11, 2917-2924. | 4.0 | 31 |
| 39 | Activated chemical bonds in nanoporous and amorphous iridium oxides favor low overpotential for oxygen evolution reaction. Nature Communications, 2022, 13, . | 5.8 | 31 |
| 40 | A first-principles density functional study of chlorophenol adsorption on Cu2O(110):CuO. Journal of Chemical Physics, 2009, 130, 184505. | 1.2 | 30 |
| 41 | Playing with Dimensions: Rational Design for Heteroepitaxial pâ€“n Junctions. Nano Letters, 2012, 12, 68-76. | 4.5 | 29 |
| 42 | Color of Copper/Copper Oxide. Advanced Materials, 2021, 33, e2007345. | 11.1 | 28 |
| 43 | Bridging the temperature and pressure gaps: close-packed transition metal surfaces in an oxygen environment. Journal of Physics Condensed Matter, 2008, 20, 184021. | 0.7 | 27 |
| 44 | Mitigation of CO poisoning on functionalized Ptâ€“TiN surfaces. Physical Chemistry Chemical Physics, 2013, 15, 19450. | 1.3 | 27 |
| 45 | Prediction of morphological changes of catalyst materials under reaction conditions by combined ab initio thermodynamics and microkinetic modelling. Catalysis Science and Technology, 2018, 8, 3493-3503. | 2.1 | 27 |
| 46 | Density Functional Theory Studies of Chloroethene Adsorption on Zerovalent Iron. Environmental Science & Technology, 2009, 43, 1192-1198. | 4.6 | 26 |
| 47 | Effect of gold subsurface layer on the surface activity and segregation in Pt/Au/Pt3M (where M =) Tj ETQq1 1 0.784314 rgBT /Overloc 034707. | 1.2 | 25 |
| 48 | Synthesis of Atomically Thin Transition Metal Ditelluride Films by Rapid Chemical Transformation in Solution Phase. Chemistry of Materials, 2018, 30, 2463-2473. | 3.2 | 25 |
| 49 | Why does bromine square palladium off? An ab initio study of brominated palladium and its nanomorphology. Physical Chemistry Chemical Physics, 2014, 16, 18570-18577. | 1.3 | 24 |
| 50 | A first-principles study of ultrathin nanofilms of MgO-supported TiN. Physical Chemistry Chemical Physics, 2012, 14, 2462. | 1.3 | 22 |
| 51 | Direct observation of grain boundaries in chemical vapor deposited graphene. Carbon, 2017, 115, 147-153. | 5.4 | 22 |
| 52 | Remarkably low-energy one-dimensional fault line defects in single-layered phosphorene. Nanoscale, 2015, 7, 19073-19079. | 2.8 | 19 |
| 53 | Assessing the influence of van der Waals corrected exchange-correlation functionals on the anisotropic mechanical properties of coinage metals. Physical Review B, 2016, 94, . | 1.1 | 19 |
| 54 | Aligning the Band Structures of Polymorphic Molybdenum Oxides and Organic Emitters in Light-Emitting Diodes. Physical Review Applied, 2017, 7, . | 1.5 | 19 |

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|---|---|---|---|
| 55 | Picosecond Competing Dynamics of Apparent Semiconducting-Metallic Phase Transition in the Topological Insulator Bi<sub>2</sub>Se<sub>3</sub>. ACS Photonics, 2020, 7, 759-764. | 3.2 | 19 |
| 56 | In Situ Defect Engineering Route to Optimize the Cationic Redox Activity of Layered Double Hydroxide Nanosheet via Strong Electronic Coupling with Holey Substrate. Advanced Science, 2022, 9, e2103368. | 5.6 | 19 |
| 57 | Carbon monoxide reaction with UO2(111) single crystal surfaces: A theoretical and experimental study. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 1078-1084. | 0.9 | 18 |
| 58 | Comparison of hydrogen and deuterium adsorption on Pd(100). Journal of Chemical Physics, 2010, 132, 024714. | 1.2 | 18 |
| 59 | Re-visiting the O/Cu(111) system â€“ when metastable surface oxides could become an issue!. Physical Chemistry Chemical Physics, 2014, 16, 26735-26740. | 1.3 | 18 |
| 60 | Synthesis of surfactant-free SnS nanoplates in an aqueous solution. RSC Advances, 2015, 5, 94796-94801. | 1.7 | 18 |
| 61 | Ab-initio Study of Interactions of Gold Atoms with Hydroxylated MgO(001) Surfaces. Journal of the Physical Society of Japan, 2012, 81, 054601. | 0.7 | 17 |
| 62 | Adsorption and Surface Diffusion of Pt Atoms on Hydroxylated MgO(001) Surfaces. Journal of the Physical Society of Japan, 2013, 82, 034603. | 0.7 | 16 |
| 63 | Remarkably stable amorphous metal oxide grown on Zr-Cu-Be metallic glass. Scientific Reports, 2015, 5, 18196. | 1.6 | 16 |
| 64 | Designing Two-Dimensional Dirac Heterointerfaces of Few-Layer Graphene and Tetradymite-Type Sb<sub>2</sub>Te<sub>3</sub> for Thermoelectric Applications. ACS Applied Materials & Interfaces, 2017, 9, 42050-42057. | 4.0 | 14 |
| 65 | Disentangling the Effects of Inter- and Intra-octahedral Distortions on the Electronic Structure in Binary Metal Trioxides. Journal of Physical Chemistry C, 2018, 122, 3558-3566. | 1.5 | 14 |
| 66 | Examining the rudimentary steps of the oxygen reduction reaction on single-atomic Pt using Ti-based non-oxide supports. Journal of Industrial and Engineering Chemistry, 2018, 58, 208-215. | 2.9 | 14 |
| 67 | Growing Ultrathin Cu<sub>2</sub>O Films on Highly Crystalline Cu(111): A Closer Inspection from Microscopy and Theory. Journal of Physical Chemistry C, 2019, 123, 12716-12721. | 1.5 | 14 |
| 68 | Polar oxide substrates for graphene growth: A first-principles investigation of graphene on MgO(111). Current Applied Physics, 2013, 13, 803-807. | 1.1 | 13 |
| 69 | Novel polymorphic phase of two-dimensional VSe<sub>2</sub>: the 1Tâ€² structure and its lattice dynamics. Nanoscale, 2019, 11, 20096-20101. | 2.8 | 13 |
| 70 | Solid-state chemistry of glassy antimony oxides. Journal of Materials Chemistry C, 2015, 3, 11349-11356. | 2.7 | 12 |
| 71 | Unraveling the origins of conduction band valley degeneracies in Mg2Si1â^'xSnx thermoelectrics. Physical Chemistry Chemical Physics, 2016, 18, 939-946. | 1.3 | 12 |
| 72 | Experimental Demonstration of in Situ Stress-Driven Optical Modulations in Flexible Semiconducting Thin Films with Enhanced Photodetecting Capability. Chemistry of Materials, 2018, 30, 7776-7781. | 3.2 | 12 |

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| 73 | Completing the picture of initial oxidation on copper. Applied Surface Science, 2021, 562, 150148. | 3.1 | 12 |
| 74 | Ab Initio Thermodynamics of Surface Oxide Structures under Controlled Growth Conditions. Journal of Physical Chemistry C, 2017, 121, 2228-2233. | 1.5 | 11 |
| 75 | Origin of Prestress-Driven Optical Modulations of Flexible ZnO Thin Films Processed in Stretching Mode. Journal of Physical Chemistry Letters, 2018, 9, 5934-5939. | 2.1 | 11 |
| 76 | Using Featureâ€Assisted Machine Learning Algorithms to Boost Polarity in Leadâ€Free Multicomponent Niobate Alloys for Highâ€Performance Ferroelectrics. Advanced Science, 2022, 9, e2104569. | 5.6 | 11 |
| 77 | Eventual Chemical Transformation of Metals and Chalcogens into Metal Chalcogenide Nanoplates through a Surface Nucleation-Detachment-Reorganization Mechanism. Chemistry of Materials, 2017, 29, 3219-3227. | 3.2 | 10 |
| 78 | Anisotropic vacancy-mediated phonon mode softening in Sm and Gd doped ceria. Physical Chemistry Chemical Physics, 2018, 20, 10048-10059. | 1.3 | 10 |
| 79 | Atomic order, electronic structure and thermodynamic stability of nickel aluminate. Physical Chemistry Chemical Physics, 2019, 21, 25952-25961. | 1.3 | 10 |
| 80 | Thermally Induced Desulfurization: Structural Transformation of Thiophene on the Si(100) Surface. Journal of Physical Chemistry C, 2013, 117, 11731-11737. | 1.5 | 9 |
| 81 | Adsorption of 2-chlorophenol on Cu2O(111)â€“CuCUS: A first-principles density functional study. Applied Surface Science, 2010, 256, 4764-4770. | 3.1 | 8 |
| 82 | First-principles based phenomenological study of Ni nanocubes: The effects of nanostructuring on carbon poisoning of Ni(0 0 1) nanofacets. Applied Surface Science, 2013, 265, 339-345. | 3.1 | 8 |
| 83 | Stacking-dependent energetics and electronic structure of ultrathin polymorphic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">VI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>topological insulator nanofilms. Physical Review B, 2014, 90, . | 1.1 | 8 |
| 84 | The effect of Se doping on the growth of Te nanorods. CrystEngComm, 2015, 17, 5734-5743. | 1.3 | 8 |
| 85 | Acute mechano-electronic responses in twisted phosphorene nanoribbons. Nanoscale, 2016, 8, 14778-14784. | 2.8 | 8 |
| 86 | Polymorphic expressions of ultrathin oxidic layers of Mo on Au(111). Nanoscale, 2019, 11, 6023-6035. | 2.8 | 8 |
| 87 | Atomic Structure and Work Function Modulations in Two-Dimensional Ultrathin CuI Films on Cu(111) from First-Principles Calculations. Journal of Physical Chemistry C, 2020, 124, 16362-16370. | 1.5 | 8 |
| 88 | Size and dimension effect on volume plasmon energy of nanomaterials. Solid State Communications, 2012, 152, 1564-1566. | 0.9 | 7 |
| 89 | Interfacial properties in ultrathin MgO films on TiN(001) surfaces: Ab-initio calculations. Journal of the Korean Physical Society, 2014, 64, 289-294. | 0.3 | 7 |
| 90 | Lattice-mismatched heteroepitaxy of IV-VI thin films on PbTe(001): Anab initiostudy. Physical Review B, 2015, 91, . | 1.1 | 7 |

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| 91 | In search of non-conventional surface oxidic motifs of Cu on Au(111). Physical Chemistry Chemical Physics, 2016, 18, 7349-7358. | 1.3 | 7 |
| 92 | Polytypism in Hexagonal Tungsten Trioxide: Insights from Ab Initio Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2018, 122, 21644-21650. | 1.5 | 7 |
| 93 | Effect of phonon confinement on the thermal conductivity of In0.53Ga0.47As nanofilms. Journal of Applied Physics, 2018, 123, . | 1.1 | 7 |
| 94 | Revisiting the Role of the Tripleâ€Phase Boundary in Promoting the Oxygen Reduction Reaction in Aluminumâ€“Air Batteries. Advanced Functional Materials, 2021, 31, 2101720. | 7.8 | 7 |
| 95 | Composition-controlled ultrathin holey TiO1â^'xNx nanosheets as powerful hybridization matrices for highly mass-efficient electrocatalysts. Chemical Engineering Journal, 2022, 437, 135415. | 6.6 | 7 |
| 96 | Explicating the irreversible electric-field-assisted ferroelectric phase transition in the otherwise antiferroelectric sodium niobate for energy storage systems. Journal of Materials Chemistry C, 2022, 10, 10500-10510. | 2.7 | 7 |
| 97 | Early transition metal dopants in cuprous oxide: To spin or not to spin. Current Applied Physics, 2013, 13, 1707-1712. | 1.1 | 6 |
| 98 | A rational computational study of surface defect-mediated stabilization of low-dimensional Pt nanostructures on TiN(100). Physical Chemistry Chemical Physics, 2015, 17, 9680-9686. | 1.3 | 6 |
| 99 | Organics on oxidic metal surfaces: a first-principles DFT study of PMDA and ODA fragments on the pristine and mildly oxidized surfaces of Cu(111). Physical Chemistry Chemical Physics, 2016, 18, 21893-21902. | 1.3 | 6 |
| 100 | Chemically Driven Enhancement of Oxygen Reduction Electrocatalysis in Supported Perovskite Oxides. Journal of Physical Chemistry Letters, 2017, 8, 235-242. | 2.1 | 6 |
| 101 | Over-Stoichiometry in Heavy Metal Oxides: The Case of Iono-Covalent Tantalum Trioxides. Inorganic Chemistry, 2018, 57, 6057-6064. | 1.9 | 6 |
| 102 | Understanding the Enhancement of Ionic Transport in Heterogeneously Doped Zirconia by Heterointerface Engineering. Journal of Physical Chemistry C, 2018, 122, 22374-22388. | 1.5 | 5 |
| 103 | Enhanced polarization in epitaxially strained monoclinic potassium niobate for lead-free electromechanical applications. Journal of Materials Chemistry C, 2021, 9, 13420-13431. | 2.7 | 5 |
| 104 | Direct observation of trapped charges at ReSe2 and graphene heterojunctions. Applied Surface Science, 2022, 579, 152187. | 3.1 | 5 |
| 105 | In-plane optical and electrical anisotropy in low-symmetry layered GeS microribbons. NPG Asia Materials, 2022, 14, . | 3.8 | 5 |
| 106 | A computational survey of metal-free polyimide-based photocatalysts within the single-stranded polymer model. Molecular Catalysis, 2020, 497, 111184. | 1.0 | 4 |
| 107 | Aluminium adsorption on Ir(111) at a quarter monolayer coverage: A first-principles study. Applied Surface Science, 2008, 254, 7655-7658. | 3.1 | 3 |
| 108 | Uncovering the Thermo-Kinetic Origins of Phase Ordering in Mixed-Valence Antimony Tetroxide by First-Principles Modeling. Inorganic Chemistry, 2017, 56, 6545-6550. | 1.9 | 3 |

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| 109 | Non-dissociative adsorption of glycerol on the (111) surface of Ni and Pt-based metallic systems: Hints on reforming activity from d-band center. Molecular Catalysis, 2019, 474, 110412. | 1.0 | 3 |
| 110 | Tunable Threshold Voltage of ZnTe-Based Ovonic Switching Devices via Isovalent Cation Exchange. ACS Applied Electronic Materials, 2021, 3, 1107-1114. | 2.0 | 3 |
| 111 | First-Principles Calculations of Heteroanionic Monochalcogenide Alloy Nanosheets with Direction-dependent Properties for Anisotropic Optoelectronics. ACS Applied Nano Materials, 2021, 4, 5912-5920. | 2.4 | 3 |
| 112 | AbÂinitio Surface Phase Diagram of Sn/Cu(001) : Reconciling Experiments with Theory. Physical Review Applied, 2017, 8, . | 1.5 | 2 |
| 113 | Stretching-Driven Crystal Anisotropy and Optical Modulations of Flexible Wide Band Gap Inorganic Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 41516-41522. | 4.0 | 2 |
| 114 | Alternative Cu3Zn catalysts for enhanced reduction of CO2 to CH4: A density functional theory-based approach. Surfaces and Interfaces, 2022, 31, 102030. | 1.5 | 2 |
| 115 | Publisher's Note: Morphology of copper nanoparticles in a nitrogen atmosphere: A first-principles investigation [Phys. Rev. B77, 125423 (2008)]. Physical Review B, 2008, 77, . | 1.1 | 1 |
| 116 | Assembling phosphorene flexagons for 2D electron-density-guided nanopatterning and nanofabrication. Nanoscale, 2017, 9, 10465-10474. | 2.8 | 1 |
| 117 | Going beyond the equilibrium crystal shape: re-tracing the morphological evolution in group 5 tetradymite nanocrystals. Nanoscale, 2021, 13, 15721-15730. | 2.8 | 0 |
| 118 | Defect-mediated ab initio thermodynamics of metastable Î³-MoN(001). Journal of Chemical Physics, 2021, 154, 064703. | 1.2 | 0 |
| 119 | Controlling electron-phonon interaction in the Bi2Se3 topological insulator by Dirac-plasmon engineering. , 2018, , . | | 0 |
| 120 | Electric Control over 2D Dirac Plasmon Resonances in Topological Insulator Bi2Se3 in Proximity Contact with Graphene. , 2019, , . | | 0 |