

# Alessandro Stroppa

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7660123/alessandro-stroppa-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

118  
papers

5,846  
citations

38  
h-index

74  
g-index

123  
ext. papers

6,571  
ext. citations

5  
avg, IF

5.92  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 118 | Defect induced ferromagnetism in a two-dimensional metal-organic framework. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 545, 168659  | 2.8  | 0         |
| 117 | Density functional theory study of single-molecule ferroelectricity in Preyssler-type polyoxometalates. <i>APL Materials</i> , <b>2021</b> , 9, 021109  | 5.7  | 1         |
| 116 | 2D hybrid CrCl <sub>2</sub> (N <sub>2</sub> C <sub>4</sub> H <sub>4</sub> ) <sub>2</sub> with tunable ferromagnetic half-metallicity. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5985-5991  | 7.1  | 0         |
| 115 | First-Principles Study of Structure and Magnetism in Copper(II)-Containing Hybrid Perovskites. <i>Crystals</i> , <b>2020</b> , 10, 1129   | 2.3  |           |
| 114 | Cyano-bridged perovskite [(CH <sub>3</sub> ) <sub>3</sub> NOH] <sub>2</sub> [KM(CN) <sub>6</sub> ], [M: Fe(III), and Co(III)] for high-temperature multi-axial ferroelectric applications with enhanced thermal and nonlinear optical performance. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 17491-17501   | 7.1  | 9         |
| 113 | Magneto-Optical Kerr Switching Properties of (CrI <sub>3</sub> ) <sub>2</sub> and (CrBr <sub>3</sub> /CrI <sub>3</sub> ) Bilayers. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1373-1380   | 4    | 14        |
| 112 | Hybrid Halide Perovskites <b>2020</b> , 15-78   |      |           |
| 111 | Manipulation of valley pseudospin in WSe <sub>2</sub> /CrI <sub>3</sub> heterostructures by the magnetic proximity effect. <i>Physical Review B</i> , <b>2020</b> , 101,  | 3.3  | 26        |
| 110 | Ferroelectricity and ferromagnetism in a VOI <sub>2</sub> monolayer: Role of the Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , <b>2020</b> , 102,   | 3.3  | 15        |
| 109 | <b>2020</b> ,   |      | 25        |
| 108 | Two-dimensional metal dicyanamide frameworks of BeTriMe[M(dca) <sub>3</sub> (H <sub>2</sub> O)] (BeTriMe = benzyltrimethylammonium; dca = dicyanamide; M = Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> ): coexistence of polar and magnetic orders and nonlinear optical threshold temperature sensing. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11735-11747 | 7.1  | 8         |
| 107 | Switchable Rashba anisotropy in layered hybrid organic-inorganic perovskite by hybrid improper ferroelectricity. <i>Npj Computational Materials</i> , <b>2020</b> , 6,  | 10.9 | 12        |
| 106 | Tunable spin textures in polar antiferromagnetic hybrid organic-inorganic perovskites by electric and magnetic fields. <i>Npj Computational Materials</i> , <b>2020</b> , 6,  | 10.9 | 12        |
| 105 | Hybrid Azide Perovskites <b>2020</b> , 151-179  |      |           |
| 104 | Hybrid Formate Perovskites <b>2020</b> , 79-149   |      |           |
| 103 | Persistent Spin-texture and Ferroelectric Polarization in 2D Hybrid Perovskite Benzylammonium Lead-halide. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5177-5183   | 6.4  | 18        |
| 102 | First-principles study of the structural, electronic, magnetic, and ferroelectric properties of a charge-ordered iron(ii)-iron(iii) formate framework. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 124704   | 3.9  | 3         |

|     |   |     |     |
|-----|---|-----|-----|
| 101 | Molecular dynamics simulations of ferroelectricity in di-isopropyl-ammonium halide molecular crystals. <i>Chemical Physics Letters</i> , <b>2019</b> , 730, 367-371   | 2.5 | 1   |
| 100 | Bioferroelectric Properties of Glycine Crystals. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1319-1324   | 6.4 | 17  |
| 99  | Pressure-induced reversible framework rearrangement and increased polarization in the polar [NH <sub>4</sub> ][Cd(HCOO) <sub>3</sub> ] hybrid perovskite. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2379-2386 | 6.8 | 7   |
| 98  | Simulation of Structural Phase Transitions in Perovskite Methylhydrazinium Metal Formate Frameworks: Coupled Ising and Potts Models. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 19912-19919                | 3.8 | 3   |
| 97  | Cubic and tetragonal perovskites from the random phase approximation. <i>Physical Review Materials</i> , <b>2019</b> , 3,   | 3.2 | 6   |
| 96  | Impact of organic molecule rotation on the optoelectronic properties of hybrid halide perovskites. <i>Physical Review Materials</i> , <b>2019</b> , 3,  | 3.2 | 15  |
| 95  | Electronic transport of organic-inorganic hybrid perovskites from first-principles and machine learning. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 083102   | 3.4 | 10  |
| 94  | Anomalous and Polarization-Sensitive Photoresponse of T-WTe from Visible to Infrared Light. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804629  | 24  | 37  |
| 93  | Spin valley and giant quantum spin Hall gap of hydrofluorinated bismuth nanosheet. <i>Scientific Reports</i> , <b>2018</b> , 8, 7436  | 4.9 | 4   |
| 92  | Intrinsic and anisotropic Rashba spin splitting in Janus transition-metal dichalcogenide monolayers. <i>Physical Review B</i> , <b>2018</b> , 97,   | 3.3 | 124 |
| 91  | Design of a polar half-metallic ferromagnet with accessible and enhanced electric polarization. <i>Physical Review Materials</i> , <b>2018</b> , 2,   | 3.2 | 4   |
| 90  | Modifying spin current filtering and magnetoresistance in a molecular spintronic device.. <i>RSC Advances</i> , <b>2018</b> , 8, 41587-41593  | 3.7 | 2   |
| 89  | Magnetic frustration in double perovskite LaSrNiRuO <sub>6</sub> . <i>Europhysics Letters</i> , <b>2018</b> , 123, 57003  | 1.6 | 2   |
| 88  | Possible High-TC Layered Ferromagnetic Insulator Sr <sub>2</sub> NiRuO <sub>4</sub> : An Ab Initio Study. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25589-25594   | 3.8 | 1   |
| 87  | Ferroelectric polarization of hydroxyapatite from density functional theory. <i>RSC Advances</i> , <b>2017</b> , 7, 21375-21379   | 3.7 | 2   |
| 86  | Revealing the role of thiocyanate anion in layered hybrid halide perovskite (CHNH)Pb(SCN)I. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 224702  | 3.9 | 38  |
| 85  | Brilliant triboluminescence in a potential organic-inorganic hybrid ferroelectric: (Ph <sub>3</sub> PO) <sub>2</sub> MnBr <sub>2</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 154-159                    | 6.8 | 22  |
| 84  | Magnetic Structures of Heterometallic M(II)-M(III) Formate Compounds. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 197-207  | 5.1 | 24  |

|    |   |      |     |
|----|---|------|-----|
| 83 | Electric-Magneto-Optical Kerr Effect in a Hybrid Organic-Inorganic Perovskite. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12883-12886   | 16.4 | 30  |
| 82 | Dipole Order in Halide Perovskites: Polarization and Rashba Band Splittings. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23045-23054  | 3.8  | 39  |
| 81 | Improper ferroelectricity at antiferromagnetic domain walls of perovskite oxides. <i>Physical Review B</i> , <b>2017</b> , 96,  | 3.3  | 19  |
| 80 | On The Density Functional Theory Treatment of Lanthanide Coordination Compounds: A Comparative Study in a Series of Cu-Ln (Ln = Gd, Tb, Lu) Binuclear Complexes. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9474-9485   | 5.1  | 13  |
| 79 | Structural properties and strain engineering of a BeB2 monolayer from first-principles. <i>RSC Advances</i> , <b>2017</b> , 7, 38410-38414  | 3.7  | 11  |
| 78 | Lattice dynamics of Dirac node-line semimetal ZrSiS. <i>Physical Review B</i> , <b>2017</b> , 96,   | 3.3  | 19  |
| 77 | Polar Nature of (CHNH)BiI Perovskite-Like Hybrids. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 33-41   | 5.1  | 42  |
| 76 | Spin-reorientation magnetic transitions in Mn-doped SmFeO. <i>IUCrJ</i> , <b>2017</b> , 4, 598-603  | 4.7  | 29  |
| 75 | Role of Polar Phonons in the Photo Excited State of Metal Halide Perovskites. <i>Scientific Reports</i> , <b>2016</b> , 6, 28618  | 4.9  | 178 |
| 74 | Switchable electric polarization and ferroelectric domains in a metal-organic-framework. <i>Npj Quantum Materials</i> , <b>2016</b> , 1,  | 5    | 84  |
| 73 | Possibility of combining ferroelectricity and Rashba-like spin splitting in monolayers of the 1T-type transition-metal dichalcogenides MX <sub>2</sub> (M=Mo,W;X=S,Se,Te). <i>Physical Review B</i> , <b>2016</b> , 94,   | 3.3  | 59  |
| 72 | Experimental and theoretical studies of structural phase transition in a novel polar perovskite-like [C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ][Na <sub>0.5</sub> Fe <sub>0.5</sub> (HCOO) <sub>3</sub> ] formate. <i>Dalton Transactions</i> , <b>2016</b> , 45, 2574-83 | 4.3  | 85  |
| 71 | Coexistence of Three Ferroic Orders in the Multiferroic Compound [(CH <sub>3</sub> ) <sub>4</sub> N][Mn(N <sub>3</sub> ) <sub>3</sub> ] with Perovskite-Like Structure. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7863-70                                       | 4.8  | 46  |
| 70 | Magneto-electric coupling in antiferromagnet/ferroelectric Mn <sub>2</sub> Au/BaTiO <sub>3</sub> interface. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 074104   | 2.5  | 9   |
| 69 | Magnetic phase transition and giant anisotropic magnetic entropy change in TbFeO <sub>3</sub> single crystal. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 063904   | 2.5  | 32  |
| 68 | Tuning the Weak Ferromagnetic States in Dysprosium Orthoferrite. <i>Scientific Reports</i> , <b>2016</b> , 6, 37529   | 4.9  | 19  |
| 67 | Noble gas endohedral fullerenes, Ng@C <sub>60</sub> (Ng=Ar, Kr): a particular benchmark for assessing the account of non-covalent interactions by density functional theory calculations. <i>Theoretical Chemistry Accounts</i> , <b>2016</b> , 135, 1                          | 1.9  | 7   |
| 66 | Analogies between Jahn-Teller and Rashba spin physics. <i>International Journal of Quantum Chemistry</i> , <b>2016</b> , 116, 1442-1450   | 2.1  | 2   |

|    |  |      |     |
|----|--|------|-----|
| 65 | Lone-Pair-Electron-Driven Ionic Displacements in a Ferroelectric Metal-Organic Hybrid. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10337-10342  | 5.1  | 38  |
| 64 | Intertwined Rashba, Dirac, and Weyl Fermions in Hexagonal Hyperferroelectrics. <i>Physical Review Letters</i> , <b>2016</b> , 117, 076401  | 7.4  | 35  |
| 63 | Anharmonic lattice interactions in improper ferroelectrics for multiferroic design. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 283202  | 1.8  | 44  |
| 62 | Emergence of ferroelectricity and spin-valley properties in two-dimensional honeycomb binary compounds. <i>Physical Review B</i> , <b>2015</b> , 91,   | 3.3  | 107 |
| 61 | Tuning the ferroelectric polarization in AAMnWO6 double perovskites through A cation substitution. <i>Dalton Transactions</i> , <b>2015</b> , 44, 10644-53   | 4.3  | 25  |
| 60 | Strain tuning of ferroelectric polarization in hybrid organic inorganic perovskite compounds. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4553-9   | 6.4  | 55  |
| 59 | Organic/inorganic hybrid perovskites AB <sub>3</sub> (A = CH <sub>3</sub> NH <sub>3</sub> , NH <sub>2</sub> CHNH <sub>2</sub> ; B = Sn, Pb) as potential thermoelectric materials: a density functional evaluation. <i>RSC Advances</i> , <b>2015</b> , 5, 78701-78707 | 3.7  | 51  |
| 58 | High-temperature ferroelectricity and strong magnetoelectric effects in a hybrid organic/inorganic perovskite framework. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2015</b> , 9, 62-67  | 2.5  | 59  |
| 57 | k dependence of the spin polarization in Mn <sub>5</sub> Ge <sub>3</sub> /Ge(111) thin films. <i>Physical Review B</i> , <b>2015</b> , 91,   | 3.3  | 2   |
| 56 | Atomically precise semiconductor--graphene and hBN interfaces by Ge intercalation. <i>Scientific Reports</i> , <b>2015</b> , 5, 17700  | 4.9  | 19  |
| 55 | Ferroelectric Polarization of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : A Detailed Study Based on Density Functional Theory and Symmetry Mode Analysis. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2223-31                               | 6.4  | 151 |
| 54 | Zigzag antiferromagnetic quantum ground state in monoclinic honeycomb lattice antimonates A <sub>3</sub> Ni <sub>2</sub> SbO <sub>6</sub> (A=Li,Na). <i>Physical Review B</i> , <b>2015</b> , 92,  | 3.3  | 46  |
| 53 | Room-temperature polar order in [NH <sub>4</sub> ][Cd(HCOO) <sub>3</sub> ]-a hybrid inorganic-organic compound with a unique perovskite architecture. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 2109-16   | 5.1  | 69  |
| 52 | Cross coupling between electric and magnetic orders in a multiferroic metal-organic framework. <i>Scientific Reports</i> , <b>2014</b> , 4, 6062   | 4.9  | 148 |
| 51 | Tuning order-by-disorder multiferroicity in CuO by doping. <i>Physical Review B</i> , <b>2014</b> , 90,  | 3.3  | 13  |
| 50 | Local probing of multiferroics: First-principles study of hyperfine parameters in YMnO <sub>3</sub> and YMn <sub>2</sub> O <sub>5</sub> . <i>EPJ Web of Conferences</i> , <b>2014</b> , 75, 09002  | 0.3  | 3   |
| 49 | Structural and ferroelectric transitions in magnetic nickelate PbNiO <sub>3</sub> . <i>New Journal of Physics</i> , <b>2014</b> , 16, 015030   | 2.9  | 19  |
| 48 | Tunable ferroelectric polarization and its interplay with spin-orbit coupling in tin iodide perovskites. <i>Nature Communications</i> , <b>2014</b> , 5, 5900  | 17.4 | 215 |

|    |   |      |     |
|----|---|------|-----|
| 47 | Tuning the ferroelectric polarization in a multiferroic metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18126-30  | 16.4 | 225 |
| 46 | Synthesis and characterization of MnCrO <sub>4</sub> , a new mixed-valence antiferromagnet. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 11850-8  | 5.1  | 7   |
| 45 | Hybrid improper ferroelectricity in a multiferroic and magnetoelectric metal-organic framework. <i>Advanced Materials</i> , <b>2013</b> , 25, 2284-90   | 24   | 246 |
| 44 | Polar and Magneto-Electric Properties of Anti-Ferrodistoritive Ordered Jahn-Teller Distortions in a multiferroic metal-organic framework. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 428, 012029  | 0.3  | 13  |
| 43 | Kinetic asymmetry in the growth of two-dimensional Mn oxide nanostripes. <i>Physical Review B</i> , <b>2013</b> , 88,   | 3.3  | 12  |
| 42 | Bulk electronic structure of Mn <sub>5</sub> Ge <sub>3</sub> /Ge(111) films by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , <b>2013</b> , 87,  | 3.3  | 6   |
| 41 | The electronic structure of gas phase croconic acid compared to the condensed phase: more insight into the hydrogen bond interaction. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 014308  | 3.9  | 20  |
| 40 | Effect of Au proximity on the LSMO surface: An ab initio study. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 2659-2663   | 2.8  | 4   |
| 39 | Exceptionally large room-temperature ferroelectric polarization in the PbNiO <sub>3</sub> multiferroic nickelate: First-principles study. <i>Physical Review B</i> , <b>2012</b> , 86,  | 3.3  | 34  |
| 38 | Ab initio study of the relation between electric polarization and electric field gradients in ferroelectrics. <i>Physical Review B</i> , <b>2012</b> , 86,  | 3.3  | 20  |
| 37 | Spin-phonon coupling effects in transition-metal perovskites: A DFT + U and hybrid-functional study. <i>Physical Review B</i> , <b>2012</b> , 85,   | 3.3  | 126 |
| 36 | Structural, electronic and ferroelectric properties of croconic acid crystal: a DFT study. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14673-81  | 3.6  | 35  |
| 35 | Unravelling the role of the central metal ion in the electronic structure of tris(8-hydroxyquinoline) metal chelates: photoemission spectroscopy and hybrid functional calculations. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 11548-52 | 2.8  | 3   |
| 34 | Advances in ab-initio theory of multiferroics. <i>European Physical Journal B</i> , <b>2012</b> , 85, 1   | 1.2  | 33  |
| 33 | Large ferroelectric polarization in the new double perovskite NaLaMnWO <sub>6</sub> induced by non-polar instabilities. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 12186-90   | 3.6  | 83  |
| 32 | High-T(c) ferroelectricity emerging from magnetic degeneracy in cupric oxide. <i>Physical Review Letters</i> , <b>2011</b> , 106, 026401  | 7.4  | 62  |
| 31 | Revisiting Mn-doped Ge using the Heyd-Scuseria-Ernzerhof hybrid functional. <i>Physical Review B</i> , <b>2011</b> , 83,  | 3.3  | 57  |
| 30 | Electronic structure of tris(8-hydroxyquinolinato)aluminium(III) revisited using the Heyd-Scuseria-Ernzerhof hybrid functional: Theory and experiments. <i>Physical Review B</i> , <b>2011</b> , 84,  | 3.3  | 16  |

|    |  |      |     |
|----|--|------|-----|
| 29 | Dielectric properties and magnetostriction of the collinear multiferroic spinel CdV <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,   | 3.3  | 59  |
| 28 | Polar distortions in hydrogen-bonded organic ferroelectrics. <i>Physical Review B</i> , <b>2011</b> , 84,  | 3.3  | 43  |
| 27 | Electric Control of Magnetization and Interplay between Orbital Ordering and Ferroelectricity in a Multiferroic Metal-Organic Framework. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 5969-5972                         | 3.6  | 50  |
| 26 | Electric control of magnetization and interplay between orbital ordering and ferroelectricity in a multiferroic metal-organic framework. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5847-50    | 16.4 | 223 |
| 25 | Tuning the CO Dissociation Barriers by Low-Dimensional Surface Alloys. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 21320-21323   | 3.8  | 8   |
| 24 | Giovannetti et al. Reply:. <i>Physical Review Letters</i> , <b>2011</b> , 107,   | 7.4  | 3   |
| 23 | Fingerprints of the hydrogen bond in the photoemission spectra of croconic acid condensed phase: an x-ray photoelectron spectroscopy and ab-initio study. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 174505 | 3.9  | 24  |
| 22 | Accurate surface and adsorption energies from many-body perturbation theory. <i>Nature Materials</i> , <b>2010</b> , 9, 741-4  | 27   | 414 |
| 21 | Magnetism in C- or N-doped MgO and ZnO: a density-functional study of impurity pairs. <i>Physical Review Letters</i> , <b>2010</b> , 105, 267203   | 7.4  | 103 |
| 20 | The multiferroic phase of DyFeO <sub>3</sub> : an ab initio study. <i>New Journal of Physics</i> , <b>2010</b> , 12, 093026  | 2.9  | 90  |
| 19 | Hybrid functional study of proper and improper multiferroics. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 5405-16   | 3.6  | 133 |
| 18 | Electronic structure of bimetallic NiRh nanowires. <i>Surface Science</i> , <b>2010</b> , 604, 1406-1413   | 1.8  | 3   |
| 17 | Adsorption and Dissociation of CO on Bare and Ni-Decorated Stepped Rh(553) Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 942-949   | 3.8  | 36  |
| 16 | Unraveling the Jahn-Teller effect in Mn-doped GaN using the Heyd-Scuseria-Ernzerhof hybrid functional. <i>Physical Review B</i> , <b>2009</b> , 79,  | 3.3  | 114 |
| 15 | Multiferroicity in TTF-CA organic molecular crystals predicted through ab initio calculations. <i>Physical Review Letters</i> , <b>2009</b> , 103, 266401  | 7.4  | 85  |
| 14 | Magneto-optical properties of (Ga,Mn)As: An ab initio determination. <i>Physical Review B</i> , <b>2008</b> , 77,  | 3.3  | 22  |
| 13 | Hybrid functionals applied to extended systems. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 064201  | 1.8  | 430 |
| 12 | A RAIRS, TPD, and DFT Study of Carbon Monoxide Adsorption on Stepped Rh(553). <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 806-812  | 3.8  | 25  |

|    |  |     |     |
|----|--|-----|-----|
| 11 | The shortcomings of semi-local and hybrid functionals: what we can learn from surface science studies. <i>New Journal of Physics</i> , <b>2008</b> , 10, 063020                            | 2.9 | 209 |
| 10 | Spin polarization tuning in Mn <sub>5</sub> FeGe <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2008</b> , 93, 092502  | 3.4 | 14  |
| 9  | Competing magnetic phases of Mn <sub>5</sub> Ge <sub>3</sub> compound. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 44-52                      | 1.6 | 28  |
| 8  | Computational and experimental imaging of Mn defects on GaAs (110) cross-sectional surfaces. <i>Physical Review B</i> , <b>2007</b> , 75,  | 3.3 | 28  |
| 7  | CO adsorption on metal surfaces: A hybrid functional study with plane-wave basis set. <i>Physical Review B</i> , <b>2007</b> , 76,   | 3.3 | 121 |
| 6  | Structural and magnetic properties of Mn-doped GaAs(1 1 0) surface. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2006</b> , 126, 217-221 | 3.1 | 9   |
| 5  | Non-collinear magnetic states of Mn <sub>5</sub> Ge <sub>3</sub> compound. <i>Materials Science in Semiconductor Processing</i> , <b>2006</b> , 9, 841-847                                 | 4.3 | 8   |
| 4  | Composition and strain dependence of band offsets at metamorphic In <sub>x</sub> Ga <sub>1-x</sub> As/Al <sub>1-y</sub> As heterostructures. <i>Physical Review B</i> , <b>2005</b> , 71,  | 3.3 | 29  |
| 3  | ZnSe/GaAs(001) heterostructures with defected interfaces: Structural, thermodynamic, and electronic properties. <i>Physical Review B</i> , <b>2005</b> , 72,                               | 3.3 | 12  |
| 2  | Structural properties and stability of defected ZnSe/GaAs(0 0 1) interfaces. <i>Computational Materials Science</i> , <b>2005</b> , 33, 256-262  | 3.2 | 1   |
| 1  | Electronic structure and ferromagnetism of Mn-doped group-IV semiconductors. <i>Physical Review B</i> , <b>2003</b> , 68,  | 3.3 | 184 |