Felix Casanova

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.

140 6,072 45 74 g-index

150 7,102 8.9 5.72 ext. papers ext. citations avg, IF L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 140 | Exchange bias in molecule/Fe GeTe van der Waals heterostructures via spinterface effects <i>Advanced Materials</i> , 2022 , e2200474 | 24 | 5 |
| 139 | Gate-tuneable and chirality-dependent charge-to-spin conversion in tellurium nanowires <i>Nature Materials</i> , 2022 , | 27 | 4 |
| 138 | Microcavity phonon polaritons from the weak to the ultrastrong phonon-photon coupling regime. <i>Nature Communications</i> , 2021 , 12, 6206 | 17.4 | 5 |
| 137 | Disentangling Spin, Anomalous, and Planar Hall Effects in FerromagnetHeavy-Metal Nanostructures. <i>Physical Review Applied</i> , 2021 , 15, | 4.3 | 1 |
| 136 | Electrical Control of Valley-Zeeman Spin-Orbit-Coupling-Induced Spin Precession at Room Temperature. <i>Physical Review Letters</i> , 2021 , 127, 047202 | 7.4 | 5 |
| 135 | Real-space observation of vibrational strong coupling between propagating phonon polaritons and organic molecules. <i>Nature Photonics</i> , 2021 , 15, 197-202 | 33.9 | 26 |
| 134 | Tailoring Superconductivity in Large-Area SingleLayer NbSe via Self-Assembled Molecular Adlayers. <i>Nano Letters</i> , 2021 , 21, 136-143 | 11.5 | 7 |
| 133 | Enhanced LightMatter Interaction in 10B Monoisotopic Boron Nitride Infrared Nanoresonators. <i>Advanced Optical Materials</i> , 2021 , 9, 2001958 | 8.1 | 11 |
| 132 | Hyperspectral Nanoimaging of van der Waals Polaritonic Crystals. <i>Nano Letters</i> , 2021 , 21, 7109-7115 | 11.5 | 3 |
| 131 | Differences in the magnon diffusion length for electrically and thermally driven magnon currents in Y3Fe5O12. <i>Physical Review B</i> , 2020 , 101, | 3.3 | 6 |
| 130 | Tuning ambipolarity in a polymer field effect transistor using graphene electrodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8120-8124 | 7.1 | 1 |
| 129 | Spin Hall Effect in Bilayer Graphene Combined with an Insulator up to Room Temperature. <i>Nano Letters</i> , 2020 , 20, 4573-4579 | 11.5 | 8 |
| 128 | Gate tunability of highly efficient spin-to-charge conversion by spin Hall effect in graphene proximitized with WSe2. <i>APL Materials</i> , 2020 , 8, 071103 | 5.7 | 14 |
| 127 | Room-Temperature Operation of a p-Type Molecular Spin Photovoltaic Device on a Transparent Substrate. <i>Advanced Materials</i> , 2020 , 32, e1906908 | 24 | 9 |
| 126 | Absence of evidence of spin transport through amorphous Y3Fe5O12. <i>Applied Physics Letters</i> , 2020 , 116, 032401 | 3.4 | 5 |
| 125 | Nanoscale Guiding of Infrared Light with Hyperbolic Volume and Surface Polaritons in van der Waals Material Ribbons. <i>Advanced Materials</i> , 2020 , 32, e1906530 | 24 | 17 |
| 124 | SpinBrbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. <i>Nature Electronics</i> , 2020 , 3, 309-315 | 28.4 | 18 |

(2018-2020)

| 123 | Quantification of interfacial spin-charge conversion in hybrid devices with a metal/insulator interface. <i>Applied Physics Letters</i> , 2020 , 117, 142405 | 3.4 | 3 |
|-----|--|------|-----|
| 122 | Collective near-field coupling and nonlocal phenomena in infrared-phononic metasurfaces for nano-light canalization. <i>Nature Communications</i> , 2020 , 11, 3663 | 17.4 | 35 |
| 121 | Strong Interfacial Exchange Field in a Heavy Metal/Ferromagnetic Insulator System Determined by Spin Hall Magnetoresistance. <i>Nano Letters</i> , 2020 , 20, 6815-6823 | 11.5 | 3 |
| 120 | Interfacial mechanism in the anomalous Hall effect of Co/Bi2O3 bilayers. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 4 |
| 119 | On the Role of Interfaces on Spin Transport in Magnetic Insulator/Normal Metal Heterostructures. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900475 | 4.6 | 10 |
| 118 | Molecular spectroscopy in a solid-state device. <i>Materials Horizons</i> , 2019 , 6, 1663-1668 | 14.4 | 3 |
| 117 | Tuning the charge flow between Marcus regimes in an organic thin-film device. <i>Nature Communications</i> , 2019 , 10, 2089 | 17.4 | 20 |
| 116 | Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. <i>Physical Review B</i> , 2019 , 99, | 3.3 | 2 |
| 115 | Strain Effects on the Energy-Level Alignment at Metal/Organic Semiconductor Interfaces. <i>ACS Applied Materials & Applied & App</i> | 9.5 | 4 |
| 114 | Top dielectric induced ambipolarity in an n-channel dual-gated organic field effect transistor. Journal of Materials Chemistry C, 2019 , 7, 10389-10393 | 7.1 | 4 |
| 113 | Launching of hyperbolic phonon-polaritons in h-BN slabs by resonant metal plasmonic antennas. <i>Nature Communications</i> , 2019 , 10, 3242 | 17.4 | 33 |
| 112 | Spin Hall magnetoresistance in a low-dimensional Heisenberg ferromagnet. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 11 |
| 111 | Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe at Room Temperature. <i>Nano Letters</i> , 2019 , 19, 8758-8766 | 11.5 | 42 |
| 110 | Deeply subwavelength phonon-polaritonic crystal made of a van der Waals material. <i>Nature Communications</i> , 2019 , 10, 42 | 17.4 | 25 |
| 109 | Relation between spin Hall effect and anomalous Hall effect in 3d ferromagnetic metals. <i>Physical Review B</i> , 2019 , 99, | 3.3 | 29 |
| 108 | Room-Temperature Spin Hall Effect in Graphene/MoS van der Waals Heterostructures. <i>Nano Letters</i> , 2019 , 19, 1074-1082 | 11.5 | 116 |
| 107 | Infrared hyperbolic metasurface based on nanostructured van der Waals materials. <i>Science</i> , 2018 , 359, 892-896 | 33.3 | 215 |
| 106 | Boron nitride nanoresonators for phonon-enhanced molecular vibrational spectroscopy at the strong coupling limit. <i>Light: Science and Applications</i> , 2018 , 7, 17172 | 16.7 | 176 |

| 105 | Interface-Assisted Sign Inversion of Magnetoresistance in Spin Valves Based on Novel Lanthanide Quinoline Molecules. <i>Advanced Functional Materials</i> , 2018 , 28, 1702099 | 15.6 | 26 |
|-----|--|------|-----|
| 104 | Addressing Vibrational Excitations in Van der Waals Materials and Molecular Layers Within Electron Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2018 , 24, 408-409 | 0.5 | |
| 103 | Unveiling the mechanisms of the spin Hall effect in Ta. <i>Physical Review B</i> , 2018 , 98, | 3.3 | 35 |
| 102 | Anomalous Hall-like transverse magnetoresistance in Au thin films on Y3Fe5O12. <i>Applied Physics Letters</i> , 2018 , 113, 222409 | 3.4 | 14 |
| 101 | Synthetic Antiferromagnetic Coupling Between Ultrathin Insulating Garnets. <i>Physical Review Applied</i> , 2018 , 10, | 4.3 | 24 |
| 100 | Gate-tunable graphene-organic interface barrier for vertical transistor and logic inverter. <i>Applied Physics Letters</i> , 2018 , 113, 153301 | 3.4 | 6 |
| 99 | Graphene as an electrode for solution-processed electron-transporting organic transistors. <i>Nanoscale</i> , 2017 , 9, 10178-10185 | 7.7 | 23 |
| 98 | Optical Nanoimaging of Hyperbolic Surface Polaritons at the Edges of van der Waals Materials. <i>Nano Letters</i> , 2017 , 17, 228-235 | 11.5 | 80 |
| 97 | Nanoimaging of resonating hyperbolic polaritons in linear boron nitride antennas. <i>Nature Communications</i> , 2017 , 8, 15624 | 17.4 | 91 |
| 96 | Energy Level Alignment at Metal/Solution-Processed Organic Semiconductor Interfaces. <i>Advanced Materials</i> , 2017 , 29, 1606901 | 24 | 27 |
| 95 | Spin diffusion length of Permalloy using spin absorption in lateral spin valves. <i>Applied Physics Letters</i> , 2017 , 111, 082407 | 3.4 | 18 |
| 94 | Large room temperature spin-to-charge conversion signals in a few-layer graphene/Pt lateral heterostructure. <i>Nature Communications</i> , 2017 , 8, 661 | 17.4 | 33 |
| 93 | Photodoping-Driven Crossover in the Low-Frequency Noise of MoS2 Transistors. <i>Physical Review Applied</i> , 2017 , 7, | 4.3 | 6 |
| 92 | Probing low-energy hyperbolic polaritons in van der Waals crystals with an electron microscope. <i>Nature Communications</i> , 2017 , 8, 95 | 17.4 | 86 |
| 91 | A molecular spin-photovoltaic device. <i>Science</i> , 2017 , 357, 677-680 | 33.3 | 101 |
| 90 | Thermally driven long-range magnon spin currents in yttrium iron garnet due to intrinsic spin Seebeck effect. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 24 |
| 89 | Tunable Sign Change of Spin Hall Magnetoresistance in Pt/NiO/YIG Structures. <i>Physical Review Letters</i> , 2017 , 118, 147202 | 7.4 | 89 |
| 88 | Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. <i>Nature Nanotechnology</i> , 2017 , 12, 31-35 | 28.7 | 178 |

(2015-2017)

| 87 | Scale-invariant large nonlocality in polycrystalline graphene. <i>Nature Communications</i> , 2017 , 8, 2198 | 17.4 | 13 |
|----|--|------|-----|
| 86 | Tuning the spin Hall effect of Pt from the moderately dirty to the superclean regime. <i>Physical Review B</i> , 2016 , 94, | 3.3 | 186 |
| 85 | Spin Hall Magnetoresistance as a Probe for Surface Magnetization in Pt/CoFe2O4 Bilayers. <i>Physical Review Applied</i> , 2016 , 6, | 4.3 | 25 |
| 84 | Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 69 |
| 83 | Absence of magnetic proximity effects in magnetoresistive Pt/CoFe2O4 hybrid interfaces. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 28 |
| 82 | A two-dimensional spin field-effect switch. <i>Nature Communications</i> , 2016 , 7, 13372 | 17.4 | 133 |
| 81 | Competing effects at Pt/YIG interfaces: Spin Hall magnetoresistance, magnon excitations, and magnetic frustration. <i>Physical Review B</i> , 2016 , 94, | 3.3 | 48 |
| 80 | Real-space mapping of tailored sheet and edge plasmons in graphene nanoresonators. <i>Nature Photonics</i> , 2016 , 10, 239-243 | 33.9 | 134 |
| 79 | Modulation of spin accumulation by nanoscale confinement using electromigration in a metallic lateral spin valve. <i>Nanotechnology</i> , 2016 , 27, 095201 | 3.4 | 3 |
| 78 | Spin injection and local magnetoresistance effects in three-terminal devices. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 133001 | 3 | 14 |
| 77 | Hanle Magnetoresistance in Thin Metal Films with Strong Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2016 , 116, 016603 | 7.4 | 94 |
| 76 | Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. <i>Advanced Materials</i> , 2016 , 28, 2609-15 | 24 | 46 |
| 75 | Frequency driven inversion of tunnel magnetoimpedance and observation of positive tunnel magnetocapacitance in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2016 , 109, 052401 | 3.4 | 9 |
| 74 | Spin doping using transition metal phthalocyanine molecules. <i>Nature Communications</i> , 2016 , 7, 13751 | 17.4 | 24 |
| 73 | Absence of detectable current-induced magneto-optical Kerr effects in Pt, Ta, and W. <i>Applied Physics Letters</i> , 2016 , 109, 172402 | 3.4 | 15 |
| 72 | Nanofocusing of Hyperbolic Phonon Polaritons in a Tapered Boron Nitride Slab. <i>ACS Photonics</i> , 2016 , 3, 924-929 | 6.3 | 38 |
| 71 | Modulation of pure spin currents with a ferromagnetic insulator. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 28 |
| 70 | Spin transport enhancement by controlling the Ag growth in lateral spin valves. <i>Journal Physics D:</i> Applied Physics, 2015 , 48, 215003 | 3 | 6 |

| 69 | Gate-Controlled Energy Barrier at a Graphene/Molecular Semiconductor Junction. <i>Advanced Functional Materials</i> , 2015 , 25, 2972-2979 | 15.6 | 46 |
|----|---|------|-----|
| 68 | Effect of the interface resistance in non-local Hanle measurements. <i>Journal of Applied Physics</i> , 2015 , 117, 223911 | 2.5 | 7 |
| 67 | Gate-tunable diode and photovoltaic effect in an organic-2D layered material p-n junction. <i>Nanoscale</i> , 2015 , 7, 15442-9 | 7.7 | 72 |
| 66 | Direct observation of ultraslow hyperbolic polariton propagation with negative phase velocity. <i>Nature Photonics</i> , 2015 , 9, 674-678 | 33.9 | 203 |
| 65 | Interfacial effects on the tunneling magnetoresistance in La0.7Sr0.3MnO3/MgO/Fe tunneling junctions. <i>Physical Review B</i> , 2015 , 92, | 3.3 | 7 |
| 64 | Ferromagnetics: Weak Delocalization in Graphene on a Ferromagnetic Insulating Film (Small 47/2015). <i>Small</i> , 2015 , 11, 6242-6242 | 11 | 1 |
| 63 | Reliable determination of the Cu/n-Si Schottky barrier height by using in-device hot-electron spectroscopy. <i>Applied Physics Letters</i> , 2015 , 107, 183502 | 3.4 | 7 |
| 62 | Cobalt phthalocyanine-based submicrometric field-effect transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 607-611 | 1.6 | 1 |
| 61 | Spin-Polarized Hopping Transport in Magnetically Tunable Rare-Earth Quinolines. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500065 | 6.4 | 12 |
| 60 | Weak Delocalization in Graphene on a Ferromagnetic Insulating Film. Small, 2015, 11, 6295-301 | 11 | 7 |
| 59 | Embedded purification for electron beam induced Pt deposition using MeCpPtMe3. <i>Nanotechnology</i> , 2015 , 26, 095303 | 3.4 | 24 |
| 58 | Temperature dependence of spin diffusion length and spin Hall angle in Au and Pt. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 157 |
| 57 | HfO2 based memory devices with rectifying capabilities. <i>Journal of Applied Physics</i> , 2014 , 115, 024501 | 2.5 | 9 |
| 56 | Controlling graphene plasmons with resonant metal antennas and spatial conductivity patterns. <i>Science</i> , 2014 , 344, 1369-73 | 33.3 | 236 |
| 55 | Resistive switching dependence on atomic layer deposition parameters in HfO2-based memory devices. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3204-3211 | 7.1 | 41 |
| 54 | Spin Hall magnetoresistance at Pt/CoFe2O4 interfaces and texture effects. <i>Applied Physics Letters</i> , 2014 , 105, 142402 | 3.4 | 91 |
| 53 | Impurity-assisted tunneling magnetoresistance under a weak magnetic field. <i>Physical Review Letters</i> , 2014 , 113, 146601 | 7.4 | 57 |
| 52 | Determination of energy level alignment at metal/molecule interfaces by in-device electrical spectroscopy. <i>Nature Communications</i> , 2014 , 5, 4161 | 17.4 | 32 |

(2012-2014)

| 51 | In situ electrical characterization of palladium-based single electron transistors made by electromigration technique. <i>AIP Advances</i> , 2014 , 4, 117126 | 1.5 | 6 |
|----|---|------|-----|
| 50 | Resistive switching phenomena in TiOx nanoparticle layers for memory applications. <i>Applied Physics Letters</i> , 2014 , 105, 143506 | 3.4 | 10 |
| 49 | Flexible semi-transparent organic spin valve based on bathocuproine. <i>Applied Physics Letters</i> , 2014 , 105, 083302 | 3.4 | 22 |
| 48 | Three-terminal resistive switching memory in a transparent vertical-configuration device. <i>Applied Physics Letters</i> , 2014 , 104, 013503 | 3.4 | 4 |
| 47 | Simultaneous detection of the spin-Hall magnetoresistance and the spin-Seebeck effect in platinum and tantalum on yttrium iron garnet. <i>Physical Review B</i> , 2014 , 90, | 3.3 | 73 |
| 46 | Room-temperature air-stable spin transport in bathocuproine-based spin valves. <i>Nature Communications</i> , 2013 , 4, | 17.4 | 57 |
| 45 | Temperature dependence of spin polarization in ferromagnetic metals using lateral spin valves. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 51 |
| 44 | Resistive switching in rectifying interfaces of metal-semiconductor-metal structures. <i>Applied Physics Letters</i> , 2013 , 103, 073114 | 3.4 | 13 |
| 43 | Contribution of defects to the spin relaxation in copper nanowires. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 50 |
| 42 | Tailoring palladium nanocontacts by electromigration. <i>Applied Physics Letters</i> , 2013 , 102, 193103 | 3.4 | 11 |
| 41 | Experimental verification of the spectral shift between near- and far-field peak intensities of plasmonic infrared nanoantennas. <i>Physical Review Letters</i> , 2013 , 110, 203902 | 7.4 | 134 |
| 40 | How reliable are Hanle measurements in metals in a three-terminal geometry?. <i>Applied Physics Letters</i> , 2013 , 102, 192406 | 3.4 | 39 |
| 39 | Visualizing the near-field coupling and interference of bonding and anti-bonding modes in infrared dimer nanoantennas. <i>Optics Express</i> , 2013 , 21, 1270-80 | 3.3 | 49 |
| 38 | Electronic transport in sub-micron square area organic field-effect transistors. <i>Applied Physics Letters</i> , 2013 , 102, 103301 | 3.4 | 1 |
| 37 | Propagation and nanofocusing of infrared surface plasmons on tapered transmission lines: Influence of the substrate. <i>Optics Communications</i> , 2012 , 285, 3378-3382 | 2 | 4 |
| 36 | C60/NiFe combination as a promising platform for molecular spintronics. <i>Organic Electronics</i> , 2012 , 13, 366-372 | 3.5 | 17 |
| 35 | Non-conventional metallic electrodes for organic field-effect transistors. <i>Organic Electronics</i> , 2012 , 13, 2301-2306 | 3.5 | 9 |
| 34 | C60-based hot-electron magnetic tunnel transistor. <i>Applied Physics Letters</i> , 2012 , 101, 102404 | 3.4 | 23 |

| 33 | Resolving the electromagnetic mechanism of surface-enhanced light scattering at single hot spots. <i>Nature Communications</i> , 2012 , 3, 684 | 17.4 | 179 |
|----|--|---------------|-----|
| 32 | Controlling the role of nanopore morphology in capillary condensation. <i>Langmuir</i> , 2012 , 28, 6832-8 | 4 | 23 |
| 31 | Spin-dependent Seebeck effect in non-local spin valve devices. <i>Applied Physics Letters</i> , 2012 , 100, 21240 |) 3 .4 | 47 |
| 30 | A light-controlled resistive switching memory. <i>Advanced Materials</i> , 2012 , 24, 2496-500 | 24 | 122 |
| 29 | Non-Hebbian learning implementation in light-controlled resistive memory devices. <i>PLoS ONE</i> , 2012 , 7, e52042 | 3.7 | 2 |
| 28 | Real-space mapping of Fano interference in plasmonic metamolecules. <i>Nano Letters</i> , 2011 , 11, 3922-6 | 11.5 | 117 |
| 27 | Nanofocusing of mid-infrared energy with tapered transmission lines. <i>Nature Photonics</i> , 2011 , 5, 283-28 | 373.9 | 179 |
| 26 | Room-temperature spin transport in C60-based spin valves. <i>Advanced Materials</i> , 2011 , 23, 1609-13 | 24 | 133 |
| 25 | Griffiths-like phase and magnetic correlations at high fields in Gd5Ge4. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 12 |
| 24 | Surface enhanced spin-flip scattering in lateral spin valves. <i>Applied Physics Letters</i> , 2010 , 96, 022513 | 3.4 | 47 |
| 23 | Control of spin injection by direct current in lateral spin valves. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 60 |
| 22 | Commensurability effects in magnetic properties of superconducting Nb thin films with periodic submicrometric pores. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2809-2811 | 2.8 | 4 |
| 21 | Gas adsorption and capillary condensation in nanoporous alumina films. <i>Nanotechnology</i> , 2008 , 19, 315 | 7 <u>99</u> | 55 |
| 20 | Effect of surface interactions on the hysteresis of capillary condensation in nanopores. <i>Europhysics Letters</i> , 2008 , 81, 26003 | 1.6 | 29 |
| 19 | Reply to Comment on Nature and entropy content of the ordering transitions in RCo2\(\textit{II}\)Physical Review B, 2007 , 75, | 3.3 | 8 |
| 18 | Direct observation of cooperative effects in capillary condensation: The hysteretic origin. <i>Applied Physics Letters</i> , 2007 , 91, 243103 | 3.4 | 38 |
| 17 | Entropy change at the magnetostructural transition in. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 301, 378-382 | 2.8 | 8 |
| 16 | Acoustic emission across the magnetostructural transition of the giant magnetocaloric Gd5Si2Ge2. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 20 |

LIST OF PUBLICATIONS

| 15 | Nature and entropy content of the ordering transitions in RCo2. Physical Review B, 2006, 73, | 3.3 | 62 |
|----|---|-----|-----|
| 14 | Direct observation of the magnetic-field-induced entropy change in Gd5(SixGe1☑)4 giant magnetocaloric alloys. <i>Applied Physics Letters</i> , 2005 , 86, 262504 | 3.4 | 49 |
| 13 | Differential scanning calorimetry experiments in RCo2. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 682-685 | 2.8 | 8 |
| 12 | Giant heat dissipation at the low-temperature reversible-irreversible transition in Gd5Ge4. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 25 |
| 11 | Coexistence of short-range ferromagnetic and antiferromagnetic correlations in Ge-rich Gd5(SixGe1\(\textbf{B}\)) (4alloys. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 3343-3347 | 3 | 25 |
| 10 | Effect of a magnetic field on the magnetostructural phase transition in Gd5(SixGe1☑)4. <i>Physical Review B</i> , 2004 , 69, | 3.3 | 44 |
| 9 | Magnetocaloric and shape-memory effects in Ni-Mn-Ga ferro-magnetic alloys. <i>European Physical Journal Special Topics</i> , 2004 , 115, 105-110 | | 5 |
| 8 | Dynamics of the first-order magnetostructural transition in Gd5(Si x Ge1-x)4. <i>European Physical Journal B</i> , 2004 , 40, 427-431 | 1.2 | 21 |
| 7 | Magnetic field induced entropy change and magnetoelasticity in NiMnta alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1595-E1596 | 2.8 | 4 |
| 6 | A high-sensitivity differential scanning calorimeter with magnetic field for magnetostructural transitions. <i>Review of Scientific Instruments</i> , 2003 , 74, 4768-4771 | 1.7 | 59 |
| 5 | Multiscale origin of the magnetocaloric effect in Ni-Mn-Ga shape-memory alloys. <i>Physical Review B</i> , 2003 , 68, | 3.3 | 155 |
| 4 | Change in entropy at a first-order magnetoelastic phase transition: Case study of Gd5(SixGe1☑)4 giant magnetocaloric alloys. <i>Journal of Applied Physics</i> , 2003 , 93, 8313-8315 | 2.5 | 15 |
| 3 | Entropy change and magnetocaloric effect in Gd5(SixGe1☑)4. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 70 |
| 2 | Scaling of the entropy change at the magnetoelastic transition in Gd5(SixGe1 \blacksquare)4. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 65 |
| 1 | Magnetic field induced entropy change and magnetoelasticity in Ni-Mn-Ga alloys. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 116 |