

Ruben Guerrero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10192187/publications.pdf>

Version: 2024-02-01

45
papers

641
citations

759233

12
h-index

580821

25
g-index

45
all docs

45
docs citations

45
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-nT Resolution of Single Layer Sensor Based on the AMR Effect in $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	8
2	Spin-Orbit Torque from the Introduction of Cu Interlayers in Pt/Cu/Co/Pt Nanolayered Structures for Spintronic Devices. ACS Applied Nano Materials, 2021, 4, 487-492.	5.0	11
3	Engineering the spin conversion in graphene monolayer epitaxial structures. APL Materials, 2021, 9, .	5.1	9
4	Intrinsic Mixed Bloch-Neel Character and Chirality of Skyrmions in Asymmetric Epitaxial Trilayers. ACS Applied Materials & Interfaces, 2020, 12, 25419-25427.	8.0	12
5	Highly Bi-doped Cu thin films with large spin-mixing conductance. APL Materials, 2018, 6, .	5.1	5
6	Unraveling Dzyaloshinskii-Moriya Interaction and Chiral Nature of Graphene/Cobalt Interface. Nano Letters, 2018, 18, 5364-5372.	9.1	60
7	Engineering Large Anisotropic Magnetoresistance in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Films at Room Temperature. Advanced Functional Materials, 2017, 27, 1700664.	14.9	39
8	Low noise all-oxide magnetic tunnel junctions based on a $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{Nb:SrTiO}_3$ interface. Applied Physics Letters, 2017, 110, 082405.	3.3	3
9	Emergence of the Stoner-Wohlfarth astroid in thin films at dynamic regime. Scientific Reports, 2017, 7, 13474.	3.3	11
10	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2017, 111, .	3.3	40
11	Inter-grain effects on the magnetism of M-type strontium ferrite. Journal of Alloys and Compounds, 2017, 692, 280-287.	5.5	6
12	Two-dimensional chiral asymmetry in unidirectional magnetic anisotropy structures. AIP Advances, 2016, 6, 055819.	1.3	2
13	Ultrathin junctions based on the $\text{LaSrMnO}_3/\text{Nb:SrTiO}_3$ functional oxide interface. Thin Solid Films, 2016, 617, 82-85.	1.8	3
14	Chiral asymmetry driven by unidirectional magnetic anisotropy in Spin-Orbitronic systems. Proceedings of SPIE, 2016, , .	0.8	0
15	Interfacial exchange-coupling induced chiral symmetry breaking of spin-orbit effects. Physical Review B, 2015, 92, .	3.2	9
16	Band structure of topological insulators from noise measurements in tunnel junctions. Applied Physics Letters, 2015, 107, .	3.3	9
17	Enhanced Visibility of MoS_2 , MoSe_2 , WSe_2 and Black-Phosphorus: Making Optical Identification of 2D Semiconductors Easier. Electronics (Switzerland), 2015, 4, 847-856.	3.1	44
18	Spin electronic magnetic sensor based on functional oxides for medical imaging. Proceedings of SPIE, 2015, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Dual Antiferromagnetic Coupling at $\langle \text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3 \rangle$ Physical Review Letters, 2012, 109, 027201.		
20	Low frequency noise in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ based magnetic tunnel junctions. Applied Physics Letters, 2012, 100, .	3.3	7
21	Temperature Study of the Antiferromagnetic Coupling at the Interface of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ and SrRuO_3 Bilayers. IEEE Transactions on Magnetics, 2012, 48, 4363-4366.	2.1	2
22	Strong Reduction of 1/f Noise by Carbon Doping in Epitaxial Fe/MgO(100) 12 ML/Fe Magnetic Tunnel Junctions with Barrier Defects. Acta Physica Polonica A, 2012, 121, 981-984.	0.5	3
23	All-oxide magnetic field sensor. , 2011, , .		0
24	Magnetic tunnels junctions for all-oxide spin valves devices. Journal of Physics: Conference Series, 2011, 303, 012059.	0.4	6
25	Noise and electric field characterization of irradiated SrTiO_3 . Journal of Physics: Conference Series, 2011, 303, 012063.	0.4	2
26	Noise of MgO-based magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2010, 322, 1624-1627.	2.3	17
27	Unusual low-frequency noise in irradiated SrTiO_3 . Physical Review B, 2010, 82, .		
28	Conductance in $\text{Co}/\text{Al}_2\text{O}_3/\text{Si}/\text{Al}_2\text{O}_3$ permalloy with asymmetrically doped barrier. Physical Review B, 2010, 81, .	3.2	2
29	Anomalous low-frequency noise in synthetic antiferromagnets: Possible evidence of current-induced domain-wall motion. Physical Review B, 2009, 79, .	3.2	14
30	High Critical Temperature Superconducting Wire Based Flux Transformers. IEEE Transactions on Applied Superconductivity, 2009, 19, 761-763.	1.7	5
31	Low frequency noise in arrays of magnetic tunnel junctions connected in series and parallel. Journal of Applied Physics, 2009, 105, .	2.5	72
32	Low frequency noise in $\text{Co}/\text{Al}_2\text{O}_3/\text{Si}/\text{Py}$ magnetic tunnel junctions. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1040-1042.	1.8	0
33	Fully epitaxial $\text{Fe}(110)/\text{MgO}(111)/\text{Fe}(110)$ magnetic tunnel junctions: Growth, transport, and spin filtering properties. Applied Physics Letters, 2008, 93, 083512.	3.3	11
34	High bias voltage effect on spin-dependent conductivity and shot noise in carbon-doped $\text{Fe}(001)/\text{MgO}(001)/\text{Fe}(001)$ magnetic tunnel junctions. Applied Physics Letters, 2007, 91, 132504.	3.3	49
35	Very low 1/f noise at room temperature in fully epitaxial $\text{Fe}/\text{MgO}/\text{Fe}$ magnetic tunnel junctions. Applied Physics Letters, 2007, 91, .	3.3	41
36	Enhanced magnetic viscosity at low temperatures in $[\text{Fe}/\text{Cr}(001)]_{10}$ multilayers. Journal of Magnetism and Magnetic Materials, 2007, 316, 344-347.	2.3	0

#	ARTICLE	IF	CITATIONS
37	Shot noise in Co/Al ₂ O ₃ /MgO/Py (M=Cr, Si) magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2007, 316, e990-e993.	2.3	0
38	Shot Noise in Magnetic Tunnel Junctions: Evidence for Sequential Tunneling. Physical Review Letters, 2006, 97, 266602.	7.8	51
39	Low-frequency noise and inelastic tunneling spectroscopy in Fe(110)/MgO(111)/Fe(110) epitaxial magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2006, 300, 132-135.	2.3	1
40	Unusual magnetic susceptibility and magnetoresistance in [Fe/Cr(001)] ₁₀ multilayers at low temperatures. Journal of Applied Physics, 2005, 97, 10C505.	2.5	1
41	Low-frequency noise and tunneling magnetoresistance in Fe(110)/MgO(111)/Fe(110) epitaxial magnetic tunnel junctions. Applied Physics Letters, 2005, 87, 042501.	3.3	36
42	Low frequency noise in Co/Al ₂ O ₃ /δ-Fe/Ni ₈₀ Fe ₂₀ magnetic tunnel junctions. Journal Physics D: Applied Physics, 2002, 35, 1761-1764.	2.8	9
43	Complex magnetic response in magnetic tunnel junctions determined via magnetic and transport measurements. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	0
44	Low frequency magnetic noise in epitaxial antiferromagnetically coupled Fe/Cr multilayers. Journal of Magnetism and Magnetic Materials, 2002, 240, 165-167.	2.3	1
45	Low-frequency response in antiferromagnetically coupled Fe/Cr multilayers. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1806-1807.	2.3	1