

# Abdelmadjid Anane

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/189619/publications.pdf>

Version: 2024-02-01

87  
papers

6,129  
citations

87888

38  
h-index

66911

78  
g-index

90  
all docs

90  
docs citations

90  
times ranked

6728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature dependence of the Gilbert damping of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. <i>Physical Review Materials</i> , 2022, 6, .	2.4	0.7
2	Giant nonlinear self-phase modulation of large-amplitude spin waves in microscopic YIG waveguides. <i>Scientific Reports</i> , 2022, 12, 7246.	3.3	8
3	Frequency Filtering with a Magnonic Crystal Based on Nanometer-Thick Yttrium Iron Garnet Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 121-128.	5.0	18
4	Room-Temperature Antiferromagnetic Resonance and Inverse Spin-Hall Voltage in Canted Antiferromagnets. <i>Physical Review Letters</i> , 2021, 126, 187201.	7.8	39
5	Voltage-Controlled Reconfigurable Magnonic Crystal at the Sub-micrometer Scale. <i>ACS Nano</i> , 2021, 15, 9775-9781.	14.6	15
6	Large intrinsic anomalous Hall effect in SrIrO <sub>3</sub> induced by magnetic proximity effect. <i>Nature Communications</i> , 2021, 12, 3283.	12.8	34
7	Dispersionless Propagation of Ultrashort Spin-Wave Pulses in Ultrathin Yttrium Iron Garnet Waveguides. <i>Physical Review Applied</i> , 2021, 16, .	3.8	6
8	Optical Frequency Up-Conversion of the Ferromagnetic Resonance in an Ultrathin Garnet Mediated by Magnetoelastic Coupling. <i>Physical Review Letters</i> , 2021, 127, 077203.	7.8	10
9	Spin pumping in $d$ -wave superconductor-ferromagnet hybrids. <i>Physical Review B</i> , 2021, 104, .	3.2	6
10	Evidence for spin current driven Bose-Einstein condensation of magnons. <i>Nature Communications</i> , 2021, 12, 6541.	12.8	21
11	Ultrafast strain excitation in highly magnetostrictive terfenol: Experiments and theory. <i>Physical Review B</i> , 2021, 104, .	3.2	2
12	Ultrafast spin-currents and charge conversion at $d$ - $d$ interfaces probed by time-domain terahertz spectroscopy. <i>Applied Physics Reviews</i> , 2020, 7, .	11.3	57
13	Opportunities and challenges for spintronics in the microelectronics industry. <i>Nature Electronics</i> , 2020, 3, 446-459.	26.0	471
14	Spin-orbit-torque magnonics. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	41
15	Determining Key Spin-Orbitronic Parameters via Propagating Spin Waves. <i>Physical Review Applied</i> , 2020, 13, .	3.8	3
16	Tracking picosecond strain pulses in heterostructures that exhibit giant magnetostriction. <i>Structural Dynamics</i> , 2019, 6, 024302.	2.3	10
17	Nutation Spectroscopy of a Nanomagnet Driven into Deeply Nonlinear Ferromagnetic Resonance. <i>Physical Review X</i> , 2019, 9, .	8.9	24
18	Evidence of Pure Spin-Current Generated by Spin Pumping in Interface-Localized States in Hybrid Metal-Silicon-Metal Vertical Structures. <i>Nano Letters</i> , 2019, 19, 90-99.	9.1	12

#	ARTICLE	IF	CITATIONS
19	Nonlinear spin conductance of yttrium iron garnet thin films driven by large spin-orbit torque. <i>Physical Review B</i> , 2018, 97, .	3.2	35
20	Electrical properties of epitaxial yttrium iron garnet ultrathin films at high temperatures. <i>Physical Review B</i> , 2018, 97, .	3.2	39
21	Insulator-to-Metallic Spin-Filtering in 2D-Magnetic Tunnel Junctions Based on Hexagonal Boron Nitride. <i>ACS Nano</i> , 2018, 12, 4712-4718.	14.6	88
22	Emission of Coherent Propagating Magnons by Insulator-Based Spin-Orbit-Torque Oscillators. <i>Physical Review Applied</i> , 2018, 10, .	3.8	44
23	Ultra-low damping insulating magnetic thin films get perpendicular. <i>Nature Communications</i> , 2018, 9, 3355.	12.8	144
24	Magnetization oscillations and waves driven by pure spin currents. <i>Physics Reports</i> , 2017, 673, 1-31.	25.6	113
25	Spin Seebeck effect in nanometer-thick YIG micro-fabricated strips. <i>AIP Advances</i> , 2017, 7, 055924.	1.3	5
26	Spin-wave propagation in ultra-thin YIG based waveguides. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	91
27	2D-MTJs: introducing 2D materials in magnetic tunnel junctions. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 203002.	2.8	68
28	Magnetic Proximity Effect Free Spin Hall Magnetoresistance in YIG/Pd. <i>Spin</i> , 2017, 07, 1740005.	1.3	4
29	Thermal spin torques in magnetic insulators. <i>Physical Review B</i> , 2017, 95, .	3.2	13
30	Chirality-mediated bistability and strong frequency downshifting of the gyrotropic resonance of a magnetic vortex due to dynamic destiffening. <i>Physical Review B</i> , 2017, 96, .	3.2	2
31	Investigating magnetic proximity effects at ferrite/Pt interfaces. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	28
32	Approaching soft X-ray wavelengths in nanomagnet-based microwave technology. <i>Nature Communications</i> , 2016, 7, 11255.	12.8	137
33	Magnetic tunnel junctions with monolayer hexagonal boron nitride tunnel barriers. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	118
34	Direct observation of dynamic modes excited in a magnetic insulator by pure spin current. <i>Scientific Reports</i> , 2016, 6, 32781.	3.3	30
35	High-efficiency control of spin-wave propagation in ultra-thin yttrium iron garnet by the spin-orbit torque. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	79
36	Spin wave amplification using the spin Hall effect in permalloy/platinum bilayers. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	34

#	ARTICLE	IF	CITATIONS
37	Electrical measurement of magnetic-field-impeded polarity switching of a ferromagnetic vortex core. Physical Review B, 2016, 94, .	3.2	6
38	Publisher's Note: Electrical measurement of magnetic-field-impeded polarity switching of a ferromagnetic vortex core [Phys. Rev. B 94, 100402(R) (2016)]. Physical Review B, 2016, 94, .	3.2	1
39	Resonant translational, breathing, and twisting modes of transverse magnetic domain walls pinned at notches. Physical Review B, 2016, 93, .	3.2	11
40	Anomalous and planar Righi-Leduc effects in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 80 \langle \text{mml:mn} \rangle \langle \text{mml:width}="0.16\text{em}" \rangle / \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 20 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ ferromagnets. Physical Review B, 2016, 94, .	3.2	14
41	Generation of coherent spin-wave modes in yttrium iron garnet microdiscs by spin-orbit torque. Nature Communications, 2016, 7, 10377.	12.8	206
42	Spin Transport in Carbon Nanotubes and Graphene: Experiments and Theory. , 2016, , 681-706.		1
43	Anomalous and planar Righi-Leduc effects measured in ferromagnetic YIG and NiFe (Presentation) Tj ETQq1 1 0.784314 rgBT 0/Overlo	0.8	
44	Ferromagnetic tunnel contacts to graphene: Contact resistance and spin signal. Journal of Applied Physics, 2015, 117, .	2.5	12
45	Protecting nickel with graphene spin-filtering membranes: A single layer is enough. Applied Physics Letters, 2015, 107, .	3.3	65
46	Spin Transport in Carbon Nanotubes and Graphene: Experiments and Theory. , 2015, , 1-21.		0
47	Measurement of the intrinsic damping constant in individual nanodisks of Y3Fe5O12 and Y3Fe5O12   Pt. Applied Physics Letters, 2014, 104, .	3.3	65
48	Full Control of the Spin-Wave Damping in a Magnetic Insulator Using Spin-Orbit Torque. Physical Review Letters, 2014, 113, 197203.	7.8	143
49	Sub-nanometer Atomic Layer Deposition for Spintronics in Magnetic Tunnel Junctions Based on Graphene Spin-Filtering Membranes. ACS Nano, 2014, 8, 7890-7895.	14.6	109
50	Magnetic thin-film insulator with ultra-low spin wave damping for coherent nanomagnonics. Scientific Reports, 2014, 4, 6848.	3.3	189
51	Inverse spin Hall effect in nanometer-thick yttrium iron garnet/Pt system. Applied Physics Letters, 2013, 103, 082408.	3.3	194
52	Matching domain-wall configuration and spin-orbit torques for efficient domain-wall motion. Physical Review B, 2013, 87, .	3.2	333
53	High domain wall velocities via spin transfer torque using vertical current injection. Scientific Reports, 2013, 3, 1829.	3.3	39
54	Homogeneous pinhole free 1-nm Al2O3 tunnel barriers on graphene. Applied Physics Letters, 2012, 101, .	3.3	25

#	ARTICLE	IF	CITATIONS
55	Spin transport in graphene: Fundamental concepts and practical implications. , 2012, , .		0
56	Graphene-Passivated Nickel as an Oxidation-Resistant Electrode for Spintronics. ACS Nano, 2012, 6, 10930-10934.	14.6	138
57	Spintronics with graphene. MRS Bulletin, 2012, 37, 1245-1254.	3.5	112
58	Highly efficient spin transport in epitaxial graphene on SiC. Nature Physics, 2012, 8, 557-561.	16.7	392
59	Vertical-current-induced domain-wall motion in MgO-based magnetic tunnel junctions with low current densities. Nature Physics, 2011, 7, 626-630.	16.7	156
60	Magnetic domain wall motion by spin transfer. Comptes Rendus Physique, 2011, 12, 309-317.	0.9	30
61	Are Al <sub>2</sub> O <sub>3</sub> and MgO tunnel barriers suitable for spin injection in graphene?. Applied Physics Letters, 2010, 97, .	3.3	82
62	Current-induced resonant depinning of a transverse magnetic domain wall in a spin valve nanostrip. Applied Physics Letters, 2010, 97, .	3.3	7
63	Current-induced motion and pinning of domain walls in spin-valve nanowires studied by XMCD-PEEM. Physical Review B, 2010, 81, .	3.2	40
64	Structural and magnetic properties of Co-doped (La,Sr)TiO <sub>3</sub> epitaxial thin films probed using x-ray magnetic circular dichroism. Journal of Physics Condensed Matter, 2009, 21, 406001.	1.8	3
65	Evidence for Room-Temperature Multiferroicity in a Compound with a Giant Axial Ratio. Physical Review Letters, 2009, 102, 217603.	7.8	331
66	Magnetism of (Zn,Co)O thin films probed by x-ray absorption spectroscopies. Applied Physics Letters, 2008, 92, 012509.	3.3	60
67	Nanometer scale mapping of cobalt in Al-doped ferromagnetic Zn <sub>0.7</sub> Co <sub>0.3</sub> O thin film. EPJ Applied Physics, 2006, 33, 109-113.	0.7	4
68	Electrical noise as evidence for phase separation in manganites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1168-1171.	2.3	5
69	Nearly total spin polarization in La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> from tunneling experiments. Applied Physics Letters, 2003, 82, 233-235.	3.3	673
70	Magnetic semiconductors based on cobalt substituted ZnO. Journal of Applied Physics, 2003, 93, 7676-7678.	2.5	218
71	Growth and characterization of TiO <sub>2</sub> as a barrier for spin-polarized tunneling. Applied Physics Letters, 2003, 82, 3269-3271.	3.3	38
72	Anane and von Molnár Reply:. Physical Review Letters, 2001, 86, 1391-1391.	7.8	1

#	ARTICLE	IF	CITATIONS
73	Thermally activated magnetization reversal in nanometer-size iron particles. <i>Physical Review B</i> , 2000, 63, .	3.2	19
74	Electrical noise from phase separation in Pr <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> single crystal. <i>Journal of Applied Physics</i> , 2000, 87, 5025-5027.	2.5	14
75	Noise Probe of the Dynamic Phase Separation in La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , 2000, 84, 4485-4488.	7.8	108
76	Design optimization for a SmCo-biased colossal magnetoresistive thin film device. <i>Journal of Applied Physics</i> , 2000, 87, 5350-5352.	2.5	10
77	Colossal resistive relaxation effects in a Pr <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> single crystal. <i>Physical Review B</i> , 1999, 59, 77-80.	3.2	98
78	1/f noise in magnetite films. <i>Journal of Applied Physics</i> , 1999, 85, 5582-5584.	2.5	3
79	Experimental studies of colossal magnetoresistance manganites: effects of oxygen non-stoichiometry, <sup>55</sup> Mn nuclear magnetic resonance, slow relaxation near the metal-insulator phase transition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999, 63, 22-29.	3.5	18
80	Weak ferromagnetism in. <i>European Physical Journal B</i> , 1999, 11, 401.	1.5	64
81	Influence of controlled oxygen vacancies on the magnetotransport and magnetostructural phenomena in La <sub>0.85</sub> Sr <sub>0.15</sub> MnO <sub>3</sub> single crystals. <i>Physical Review B</i> , 1997, 56, 6031-6035.	3.2	95
82	Conductivity and magnetoresistance of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> and La <sub>1-x</sub> Sr <sub>x</sub> Mn <sub>1-y</sub> Mg <sub>y</sub> O <sub>3</sub> single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 165, 377-379.	2.3	14
83	Magnetotransport in microstripes patterned in ultrathin cobalt films. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 165, 349-351.	2.3	3
84	Jahn-Teller effect and ferromagnetic ordering in La <sub>0.875</sub> Sr <sub>0.125</sub> MnO <sub>3</sub> : A reentrant behaviour. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 856-858.	2.7	49
85	Enhancement of the magnetoresistance due to structural transition in Mg-doped perovskite Mn oxides. <i>Applied Physics Letters</i> , 1996, 69, 1160-1162.	3.3	17
86	Transport properties and magnetic behaviour of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> single crystals. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 7015-7021.	1.8	53
87	Active Ferromagnetic Metasurface with Topologically Protected Spin Texture for Spectral Filters. <i>Advanced Functional Materials</i> , 0, , 2203466.	14.9	4