

# Xi Chen

## List of Publications by Year in descending order

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19  
papers

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citations

1040056

9  
h-index

839539

18  
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docs citations

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times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mn <sup>2+</sup> induced significant improvement and robust stability of radioluminescence in Cs <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> for high-performance nuclear battery. <i>Nature Communications</i> , 2021, 12, 3879.	12.8	76
2	Interfacial oxygen migration and its effect on the magnetic anisotropy in Pt/Co/MgO/Pt films. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	58
3	Giant antidamping orbital torque originating from the orbital Rashba-Edelstein effect in ferromagnetic heterostructures. <i>Nature Communications</i> , 2018, 9, 2569.	12.8	35
4	Interfacial electronic structure-modulated magnetic anisotropy in Ta/CoFeB/MgO/Ta multilayers. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	25
5	Anomalous Hall effect engineering via interface modification in Co/Pt multilayers. <i>Applied Physics Letters</i> , 2015, 107, 112404.	3.3	22
6	Effects of annealing on the magnetic properties and microstructures of Ta/Mo/CoFeB/MgO/Ta films. <i>Journal of Alloys and Compounds</i> , 2017, 692, 243-248.	5.5	20
7	Substantial Improvement of Operating Stability by Strengthening Metal-Halogen Bonds in Halide Perovskites. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	16
8	Chemically manipulated anomalous Hall effect and perpendicular magnetic anisotropy in Co/Pt multilayers. <i>Applied Surface Science</i> , 2014, 320, 263-266.	6.1	11
9	Thermally stable anomalous Hall behavior in perpendicular Co/Pt multilayers sandwiched by HfO <sub>2</sub> layers. <i>Applied Surface Science</i> , 2016, 360, 758-761.	6.1	10
10	Chemical reaction at ferromagnet/oxide interface and its influence on anomalous Hall effect. <i>Applied Physics Letters</i> , 2014, 105, 102401.	3.3	8
11	The impact of Hf layer thickness on the perpendicular magnetic anisotropy in Hf/CoFeB/MgO/Ta films. <i>Journal of Alloys and Compounds</i> , 2017, 694, 76-81.	5.5	8
12	Large enhancement of perpendicular magnetic anisotropy and high annealing stability by Pt insertion layer in (Co/Ni)-based multilayers. <i>AIP Advances</i> , 2015, 5, 097121.	1.3	7
13	Effects of interfacial Fe electronic structures on magnetic and electronic transport properties in oxide/NiFe/oxide heterostructures. <i>Applied Surface Science</i> , 2015, 349, 524-528.	6.1	7
14	Ultrasensitive Anomalous Hall Effect in Ta/CoFe/Oxide/Ta Multilayers. <i>Advances in Condensed Matter Physics</i> , 2016, 2016, 1-7.	1.1	6
15	Enhancement of post-annealing stability in Co/Ni multilayers with perpendicular magnetic anisotropy by Au insertion layers. <i>Rare Metals</i> , 2016, 35, 779-783.	7.1	6
16	The effect of HfO <sub>2</sub> on the magnetic anisotropy, electrical structure and microstructure of CoFeB/MgO films. <i>Journal of Alloys and Compounds</i> , 2017, 725, 425-432.	5.5	6
17	Large enhancement of Blocking temperature by control of interfacial structures in Pt/NiFe/IrMn/MgO/Pt multilayers. <i>AIP Advances</i> , 2015, 5, 097146.	1.3	2
18	Enhancing spin-Hall spin-orbit torque efficiency by bulk spin scattering modulation in ferromagnets with ruthenium impurities. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	2

#	ARTICLE	IF	CITATIONS
19	Different oxygen migration behaviors at CoFe/MgO and CoFe/HfO <sub>2</sub> interfaces and their effects on the magnetic anisotropy. <i>AIP Advances</i> , 2022, 12, 015222.	1.3	2