

Seonghoon Woo

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

4,475
citations

516681

16
h-index

794568

19
g-index

20
all docs

20
docs citations

20
times ranked

6127
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of room-temperature magnetic skyrmions and their current-driven dynamics in ultrathin metallic ferromagnets. <i>Nature Materials</i> , 2016, 15, 501-506.	27.5	1,331
2	Extremely efficient flexible organic light-emitting diodes with modified graphene anode. <i>Nature Photonics</i> , 2012, 6, 105-110.	31.4	1,272
3	Skyrmion-based artificial synapses for neuromorphic computing. <i>Nature Electronics</i> , 2020, 3, 148-155.	26.0	346
4	Current-driven dynamics and inhibition of the skyrmion Hall effect of ferrimagnetic skyrmions in GdFeCo films. <i>Nature Communications</i> , 2018, 9, 959.	12.8	301
5	Skyrmion-electronics: writing, deleting, reading and processing magnetic skyrmions toward spintronic applications. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 143001.	1.8	268
6	Enhanced spin-orbit torques in Pt/Co/Ta heterostructures. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	195
7	Spin-orbit torque-driven skyrmion dynamics revealed by time-resolved X-ray microscopy. <i>Nature Communications</i> , 2017, 8, 15573.	12.8	143
8	Néel-type skyrmions and their current-induced motion in van der Waals ferromagnet-based heterostructures. <i>Physical Review B</i> , 2021, 103, .	3.2	110
9	Deterministic creation and deletion of a single magnetic skyrmion observed by direct time-resolved X-ray microscopy. <i>Nature Electronics</i> , 2018, 1, 288-296.	26.0	108
10	Molecularly Controlled Interfacial Layer Strategy Toward Highly Efficient Simple-Structured Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2012, 24, 1487-1493.	21.0	92
11	Large voltage-induced modification of spin-orbit torques in Pt/Co/GdOx. <i>Applied Physics Letters</i> , 2014, 105, 222401.	3.3	70
12	Universal high work function flexible anode for simplified ITO-free organic and perovskite light-emitting diodes with ultra-high efficiency. <i>NPG Asia Materials</i> , 2017, 9, e411-e411.	7.9	60
13	Polyaniline-Based Conducting Polymer Compositions with a High Work Function for Hole-Injection Layers in Organic Light-Emitting Diodes: Formation of Ohmic Contacts. <i>ChemSusChem</i> , 2011, 4, 363-368.	6.8	49
14	Magnetic domain wall depinning assisted by spin wave bursts. <i>Nature Physics</i> , 2017, 13, 448-454.	16.7	41
15	Fast Magneto-Ionic Switching of Interface Anisotropy Using Yttria-Stabilized Zirconia Gate Oxide. <i>Nano Letters</i> , 2020, 20, 3435-3441.	9.1	40
16	Tunable Néel-Bloch Magnetic Twists in Fe ₃ GeTe ₂ with van der Waals Structure. <i>Advanced Functional Materials</i> , 2021, 31, 2103583.	14.9	35
17	Elusive spin textures discovered. <i>Nature</i> , 2018, 564, 43-44.	27.8	8
18	Control of propagating spin-wave attenuation by the spin-Hall effect. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	4

#	ARTICLE	IF	CITATIONS
19	Skyrmions learn some new moves. Nature Electronics, 2018, 1, 434-435.	26.0	2
20	Skyrmions in ferrimagnets. , 2021, , 315-332.		0