

# Weixing Li

## List of Publications by Year in descending order

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28  
papers

550  
citations

516561

16  
h-index

642610

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural response of titanate pyrochlores to swift heavy ion irradiation. Acta Materialia, 2016, 117, 207-215.	3.8	64
2	Thermal annealing mechanisms of latent fission tracks: Apatite vs. zircon. Earth and Planetary Science Letters, 2011, 302, 227-235.	1.8	58
3	Thermal annealing of unetched fission tracks in apatite. Earth and Planetary Science Letters, 2012, 321-322, 121-127.	1.8	49
4	Effect of Mn substitution on the volume and magnetic properties of Er <sub>2</sub> Fe <sub>17</sub> . Journal of Applied Physics, 2002, 92, 1453-1457.	1.1	37
5	Swift heavy ion-induced amorphization of CaZrO <sub>3</sub> perovskite. Nuclear Instruments & Methods in Physics Research B, 2012, 286, 271-276.	0.6	33
6	Ordered nanocrystals on argon ion sputtered polymer film. Chemical Physics Letters, 2008, 452, 124-128.	1.2	32
7	Effect of Mo content on the structure stability of R <sub>3</sub> (Fe,Co,Mo) <sub>29</sub> . Journal of Applied Physics, 2003, 93, 6921-6923.	1.1	28
8	Effect of orientation on ion track formation in apatite and zircon. American Mineralogist, 2014, 99, 1127-1132.	0.9	26
9	Porous fission fragment tracks in fluorapatite. Physical Review B, 2010, 82, .	1.1	22
10	Amorphization of Ta <sub>2</sub> O <sub>5</sub> under swift heavy ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 25-33.	0.6	22
11	Structural and magnetic properties of Sm <sub>3</sub> (Fe <sub>1-x</sub> Cox) <sub>29-y</sub> Cry compounds. Journal of Alloys and Compounds, 2003, 358, 12-16.	2.8	20
12	Magnetic properties of Sm <sub>3</sub> Fe <sub>28.1-x</sub> CoxMo <sub>0.9</sub> (x=0,4,8,12,14,16) compounds. Physical Review B, 2004, 69, .	1.1	18
13	Temperature dependence of ion track formation in quartz and apatite. Journal of Applied Crystallography, 2013, 46, 1558-1563.	1.9	18
14	In situ TEM observation of alpha-particle induced annealing of radiation damage in Durango apatite. Scientific Reports, 2017, 7, 14108.	1.6	18
15	Fine structure of swift heavy ion track in rutile TiO <sub>2</sub> . Nuclear Instruments & Methods in Physics Research B, 2019, 457, 72-79.	0.6	18
16	Radiation damage in $\text{Nd}^{2+}\text{-Ga}_2\text{O}_3$ induced by swift heavy ions. Japanese Journal of Applied Physics, 2019, 58, 120914.	0.8	18
17	Effect of doping on the radiation response of conductive Nb-SrTiO <sub>3</sub> . Nuclear Instruments & Methods in Physics Research B, 2013, 302, 40-47.	0.6	17
18	Structural and magnetic properties of (Nd <sub>1-x</sub> Tbx) <sub>3</sub> Fe <sub>27.31</sub> Ti <sub>1.69</sub> (0 ≤ x ≤ 1.0) compounds. Physica B: Condensed Matter, 2002, 319, 52-58.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Alpha-decay induced shortening of fission tracks simulated by in situ ion irradiation. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 299, 1-14.	1.6	8
20	Formation, structure and magnetic properties of Nd <sub>3</sub> Fe <sub>26.8</sub> CoxV <sub>2.2</sub> compounds. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1759-1763.	1.3	7
21	Morphological instability of Cu nanolines induced by Ga <sup>+</sup> -ion bombardment: In situ scanning electron microscopy and theoretical model. <i>Journal of Applied Physics</i> , 2008, 103, 074306.	1.1	6
22	Controlling the Structure and Size of Au Nanocrystals by Annealing and Ion Sputtering. <i>Langmuir</i> , 2012, 28, 51-55.	1.6	5
23	Structure and magnetic properties of (Nd <sub>1-x</sub> Hox) <sub>3</sub> Fe <sub>23-y</sub> Co <sub>6</sub> V <sub>y</sub> compounds. <i>Journal of Applied Physics</i> , 2003, 93, 6927-6929.	1.1	4
24	Comparison of reidite formation between zircon bulk and nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110475.	1.9	4
25	Phase stability of pre-irradiated CeO <sub>2</sub> with swift heavy ions under high pressure up to 45 GPa. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2889-2902.	1.9	3
26	Structure and magnetic properties of (Nd <sub>1-x</sub> Er <sub>x</sub> ) <sub>3</sub> Fe <sub>18</sub> Co <sub>6</sub> Cr <sub>5</sub> (x=0.0-0.8) compounds. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 3161-3165.	1.3	2
27	Structure and anisotropy evolution in the (Nd <sub>1-x</sub> Er <sub>x</sub> ) <sub>2</sub> Co <sub>15.5</sub> V <sub>1.5</sub> system. <i>Physica B: Condensed Matter</i> , 2003, 325, 265-271.	1.3	2
28	Thermal annealing of fission and ion tracks in epidote. <i>Physics and Chemistry of Minerals</i> , 2022, 49, .	0.3	1