

# Xianglong Yu

## List of Publications by Year in descending order

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17  
papers

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citations

1040056

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times ranked

878  
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#	ARTICLE	IF	CITATIONS
1	Mechanical metamaterials associated with stiffness, rigidity and compressibility: A brief review. <i>Progress in Materials Science</i> , 2018, 94, 114-173.	32.8	629
2	Effect of a grain-refined microalloyed steel substrate on the formation mechanism of a tight oxide scale. <i>Corrosion Science</i> , 2014, 85, 115-125.	6.6	32
3	Tribological properties of magnetite precipitate from oxide scale in hot-rolled microalloyed steel. <i>Wear</i> , 2013, 302, 1286-1294.	3.1	27
4	Microstructure and microtexture evolutions of deformed oxide layers on a hot-rolled microalloyed steel. <i>Corrosion Science</i> , 2015, 90, 140-152.	6.6	27
5	A route for white LED package using luminescent low-temperature co-fired ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 655, 203-207.	5.5	24
6	The role of oxide-scale microtexture on tribological behaviour in the nanoparticle lubrication of hot rolling. <i>Tribology International</i> , 2016, 93, 190-201.	5.9	19
7	Effects of grain boundaries in oxide scale on tribological properties of nanoparticles lubrication. <i>Wear</i> , 2015, 332-333, 1286-1292.	3.1	17
8	Imitation of ancient black-glazed Jian bowls (Yohen Tenmoku): Fabrication and characterization. <i>Ceramics International</i> , 2016, 42, 15269-15273.	4.8	15
9	Local strain analysis of the tertiary oxide scale formed on a hot-rolled steel strip via EBSD. <i>Surface and Coatings Technology</i> , 2015, 277, 151-159.	4.8	12
10	Crystallographic Texture Based Analysis of $Fe_3O_4$ and $Fe_2O_3$ Scale Formed on a Hot-rolled Microalloyed Steel. <i>ISIJ International</i> , 2015, 55, 278-284.	4.8	11
11	A Comparison of Texture Development in an Experimental and Industrial Tertiary Oxide Scale in a Hot Strip Mill. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2503-2513.	2.1	7
12	Dependence of texture development on the grain size of tertiary oxide scales formed on a microalloyed steel. <i>Surface and Coatings Technology</i> , 2015, 272, 39-49.	4.8	7
13	Developments and Possibilities for Nanoparticles in Water-Based Lubrication During Metal Processing. <i>Reviews in Nanoscience and Nanotechnology</i> , 2016, 5, 136-163.	0.4	6
14	Grain Boundary in Oxide Scale During High-Temperature Metal Processing. , 2017, , .		4
15	Modelling of Temperature-Dependent Growth Kinetics of Oxide Scale on Hot-Rolled Steel Strip. <i>Advanced Science Letters</i> , 2012, 13, 219-223.	0.2	2
16	Enhancement of tribological properties in siliconized graphite via hierarchically hybrid SiC/C composite. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 255-263.	4.4	1
17	Study on bending conditions of plate in coil box. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2011, 16, 324-328.	0.9	0