

# Yusheng Li

## List of Publications by Year in descending order

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32  
papers

1,311  
citations

471509

17  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Realizing High Figure of Merit in Phase-Separated Polycrystalline Sn <sub>x</sub> Pb <sub>1-x</sub> Se. <i>Journal of the American Chemical Society</i> , 2016, 138, 13647-13654.	13.7	201
2	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. <i>Journal of the American Chemical Society</i> , 2018, 140, 499-505.	13.7	180
3	Superior strength and ductility of 316L stainless steel with heterogeneous lamella structure. <i>Journal of Materials Science</i> , 2018, 53, 10442-10456.	3.7	175
4	Effects of grain size on tensile property and fracture morphology of 316L stainless steel. <i>Materials Letters</i> , 2019, 254, 116-119.	2.6	116
5	Dense dispersed shear bands in gradient-structured Ni. <i>International Journal of Plasticity</i> , 2020, 124, 186-198.	8.8	77
6	Design for strength-ductility synergy of 316L stainless steel with heterogeneous lamella structure through medium cold rolling and annealing. <i>Vacuum</i> , 2018, 157, 128-135.	3.5	60
7	Deformation mechanisms of 304L stainless steel with heterogeneous lamella structure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 409-413.	5.6	49
8	Synergetic deformation-induced extraordinary softening and hardening in gradient copper. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 752, 217-222.	5.6	41
9	Rock-salt-type nanoprecipitates lead to high thermoelectric performance in undoped polycrystalline SnSe. <i>RSC Advances</i> , 2017, 7, 8258-8263.	3.6	40
10	Soft/hard copper/bronze laminates with superior mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 756, 213-218.	5.6	37
11	Improved corrosion resistance of 316LN stainless steel performed by rotationally accelerated shot peening. <i>Applied Surface Science</i> , 2019, 481, 1305-1312.	6.1	36
12	Tribological Behavior of the 316L Stainless Steel with Heterogeneous Lamella Structure. <i>Materials</i> , 2018, 11, 1839.	2.9	33
13	Thermal stability and tensile property of 316L stainless steel with heterogeneous lamella structure. <i>Vacuum</i> , 2018, 152, 261-264.	3.5	32
14	Impact property of high-strength 316L stainless steel with heterostructures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 457-460.	5.6	28
15	Microstructural evolution and mechanical properties of a 5052 Al alloy with gradient structures. <i>Journal of Materials Research</i> , 2017, 32, 4443-4451.	2.6	27
16	Hardening after annealing in nanostructured 316L stainless steel. <i>Nano Materials Science</i> , 2020, 2, 80-82.	8.8	27
17	Microstructures and Mechanical Properties of Commercially Pure Ti Processed by Rotationally Accelerated Shot Peening. <i>Materials</i> , 2018, 11, 366.	2.9	17
18	Effect of Rolling Strain on the Mechanical and Tribological Properties of 316L Stainless Steel. <i>Journal of Tribology</i> , 2019, 141, .	1.9	14

#	ARTICLE	IF	CITATIONS
19	Enhanced tensile properties of 316L stainless steel processed by a novel ultrasonic resonance plastic deformation technique. <i>Materials Letters</i> , 2019, 236, 342-345.	2.6	14
20	Deformation mechanisms and enhanced mechanical properties of 304L stainless steel at liquid nitrogen temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 798, 140133.	5.6	13
21	Effects of geometric dimension and grain size on impact properties of 316L stainless steel. <i>Materials Letters</i> , 2021, 284, 128908.	2.6	13
22	Enhanced irradiation and corrosion resistance of 316LN stainless steel with high densities of dislocations and twins. <i>Journal of Nuclear Materials</i> , 2019, 517, 234-240.	2.7	12
23	Grain size effect on deformation twin thickness in a nanocrystalline metal with low stacking-fault energy. <i>Journal of Materials Research</i> , 2019, 34, 2398-2405.	2.6	11
24	Layer-by-layer corrosion behavior of 316LN stainless steel with a gradient-nanostructured surface. <i>Electrochemistry Communications</i> , 2020, 110, 106642.	4.7	11
25	Enhanced pitting resistance through designing a high-strength 316L stainless steel with heterostructure. <i>Journal of Materials Research and Technology</i> , 2021, 10, 132-137.	5.8	10
26	Enhanced tensile properties of 316L steel via grain refinement and low-strain rolling. <i>Materials Science and Technology</i> , 2019, 35, 1497-1503.	1.6	9
27	Enhanced mechanical properties of ultrafine-lamella 304L stainless steel processed by multidirectional hot forging. <i>Vacuum</i> , 2021, 187, 110116.	3.5	8
28	Enhanced Corrosion Resistance of SA106B Low-Carbon Steel Fabricated by Rotationally Accelerated Shot Peening. <i>Metals</i> , 2019, 9, 872.	2.3	5
29	A novel fracture behavior of the 304L stainless steel with heterogeneous lamella structure. <i>Vacuum</i> , 2021, 188, 110187.	3.5	5
30	Formation of nano-grains dominated by twin-twin intersection for a RASP-processed 316L stainless steel. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3150-3157.	5.8	5
31	Effect of structural orientation on the impact properties of a soft/hard copper/brass laminate. <i>Vacuum</i> , 2021, 191, 110388.	3.5	4
32	Novel techniques for processing metallic materials with controllable soft/hard laminates. <i>Materials Letters</i> , 2019, 246, 92-94.	2.6	1