

# Chengning Li

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

423  
citations

759233

12  
h-index

752698

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

265  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Effects of heat input on microstructure and fracture toughness of simulated coarse-grained heat affected zone for HSLA steels. <i>Materials Characterization</i> , 2019, 155, 109818.  | 4.4 | 63        |
| 2  | Microstructural evolution and its influence on toughness in simulated inter-critical heat affected zone of large thickness bainitic steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 67-76.   | 5.6 | 40        |
| 3  | Improvement of strength and toughness for hot rolled low-carbon bainitic steel via grain refinement and crystallographic texture. <i>Materials Letters</i> , 2016, 175, 157-160.   | 2.6 | 30        |
| 4  | Recrystallization behavior in a low-density high-Mn high-Al austenitic steel undergone thin strip casting process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 733, 87-97.   | 5.6 | 26        |
| 5  | Improvement of mechanical properties for low carbon ultra-high strength steel strengthened by Cu-rich multistructured precipitation via modification to bainite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141337.  | 5.6 | 26        |
| 6  | Precipitation behavior and mechanical properties of a hot rolled Ti-bearing dual phase steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 673, 213-221.  | 5.6 | 24        |
| 7  | Strength-toughness improvement of martensite-austenite dual phase deposited metals after austenite reversed treatment with short holding time. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 755, 57-65.   | 5.6 | 24        |
| 8  | Effect of cyclic plastic deformation on microstructure and mechanical properties of weld metals used for reel-lay pipeline steels. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 737, 77-84.   | 5.6 | 19        |
| 9  | Toughening mechanism of inter-critical heat-affected zone in a 690â€”MPa grade rack plate steel. <i>Materials Characterization</i> , 2018, 144, 631-640.   | 4.4 | 17        |
| 10 | Mechanical properties of low-transformation-temperature weld metals after low-temperature postweld heat treatment. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 112-120.   | 3.1 | 15        |
| 11 | Enhanced toughness of Feâ€”12Crâ€”5.5Niâ€”Mo-deposited metals through formation of fine reversed austenite. <i>Journal of Materials Science</i> , 2018, 53, 15679-15693.   | 3.7 | 14        |
| 12 | Mechanism of Microstructural Control and Mechanical Properties in Hot Rolled Plain Câ€”Mn Steel during Controlled Cooling. <i>ISIJ International</i> , 2015, 55, 1721-1729.  | 1.4 | 12        |
| 13 | EBSD analysis of microstructures and mechanical properties of softened zones in X60 reeled-pipeline welded joint after cyclic plastic deformation. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 1213-1225.  | 2.5 | 12        |
| 14 | Formation mechanism of CuNiAl-rich multi-structured precipitation and its effect on mechanical properties for ultra-high strength low carbon steel obtained via direct quenching and tempering process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 833, 142567. | 5.6 | 12        |
| 15 | Effect of cyclic plastic deformation on hydrogen diffusion behavior and embrittlement susceptibility of reeling-pipeline steel weldments. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30158-30172.   | 7.1 | 11        |
| 16 | Microstructural Characteristics with Various Finish Rolling Temperature and Low Temperature Toughness in Hot Rolled Nbâ€”Ti Ferritic Steel. <i>ISIJ International</i> , 2016, 56, 602-609.   | 1.4 | 8         |
| 17 | Effect of restraint stress on martensite transformation in low transformation temperature weld metal. <i>Journal of Materials Science</i> , 2020, 55, 2202-2214.   | 3.7 | 8         |
| 18 | The mutual effect of hydrogen and cyclic plastic deformation on ductility degradation of X65 reeled-pipeline welded joint. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 791, 139739.  | 5.6 | 8         |

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|----|---|-----|-----------|
| 19 | Effect of austenite transformation degree on microstructure and fracture toughness of high-strain pipeline steel. <i>Journal of Materials Science</i> , 2021, 56, 13827-13840.  | 3.7 | 8         |
| 20 | Solidification behaviour and microstructure of welding transition zone using low-transformation-temperature welding consumables. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 148-155.  | 3.1 | 6         |
| 21 | Effect of dilution on fatigue behaviour of welded joints produced by low-transformation-temperature fillers. <i>Science and Technology of Welding and Joining</i> , 2019, 24, 601-608.  | 3.1 | 5         |
| 22 | Improvement of Cu-rich precipitation strengthening for high-strength low carbon steel strengthened via Ti-microalloying. <i>Materials Letters</i> , 2022, 316, 132031.  | 2.6 | 5         |
| 23 | The Influence of Ni on Bainite/Martensite Transformation and Mechanical Properties of Deposited Metals Obtained from Metal-Cored Wire. <i>Metals</i> , 2021, 11, 1971.  | 2.3 | 5         |
| 24 | Effect of Electromagnetic Stirring Frequency on Inconel625-High Strength Low Alloy Steel Functionally Graded Material Fabricated by Wire Arc Additive Manufacturing. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 9703-9713.   | 2.5 | 5         |
| 25 | Refinement mechanism of nanoscale Cu-rich precipitates by Mo addition and its effect on strength-toughness of Cu-bearing low carbon high strength steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 849, 143469. | 5.6 | 4         |
| 26 | Effect of H <sub>2</sub> S Corrosion on the Fracture Toughness of the X80 Pipeline Steel Welded Joint. <i>Materials</i> , 2022, 15, 4458.   | 2.9 | 4         |
| 27 | Characterization of nanoscale precipitates and enhanced mechanical properties of high strength weld metals containing Cu additions after PWHT. <i>Metallurgical Research and Technology</i> , 2022, 119, 119.   | 0.7 | 3         |
| 28 | Effect of Microstructural Evolution on the Mechanical Properties of Intercritical Heat-Affected Zone of Quenched and Tempered Ultrahigh-Strength Steel. <i>Steel Research International</i> , 2022, 93, .   | 1.8 | 3         |
| 29 | The Influence of Continuous Cooling Rate on Nano-Precipitation Behavior of a Ti-Bearing Steel undergone Hot Deformation. <i>Steel Research International</i> , 2018, 89, 1700361.   | 1.8 | 2         |
| 30 | Deformation Behavior and Microstructural Evolution of Reeled Pipeline Steels during Cyclic Plastic Deformation. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 6449-6457.  | 2.5 | 2         |
| 31 | Combined effects of welding heat input and peak temperature on precipitation and mechanical properties of the HAZ for modified austenitic medium manganese steels. <i>Materials Research Express</i> , 0, , .   | 1.6 | 2         |