

# Bo Song

## List of Publications by Year in descending order

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54  
papers

719  
citations

471509  
17  
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610901  
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docs citations

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times ranked

473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Mg, La and Ca addition order on inclusions and microstructure of Ti-bearing Ca-Mn steel. <i>Ironmaking and Steelmaking</i> , 2022, 49, 189-198.	2.1	2
2	Designing cross-region ecological compensation scheme by integrating habitat maintenance services production and consumption—A case study of Jing-Jin-Ji region. <i>Journal of Environmental Management</i> , 2022, 311, 114820.	7.8	7
3	Effect of Al and S on the Evolution of Inclusion and Formation of Acicular Ferrite in the Mg-RE-Ti-Treated Steel. <i>Transactions of the Indian Institute of Metals</i> , 2022, 75, 2221-2230.	1.5	2
4	Directional separation of nonmetallic inclusions from copper melt reinforced by supergravity. <i>Metallurgical Research and Technology</i> , 2022, 119, 307.	0.7	0
5	Effect of Rare Earth Ce on Modifying Inclusions in Al-killed X80 Pipeline Steel. <i>Transactions of the Indian Institute of Metals</i> , 2022, 75, 2837-2846.	1.5	6
6	A Mathematical Model of COREX Process with Top Gas Recycling. <i>Steel Research International</i> , 2021, 92, 2000292.	1.8	6
7	Evolution of inclusions in Mg-RE-Ti treated steels with different Al contents and their influence on acicular ferrite. <i>Metallurgical Research and Technology</i> , 2021, 118, 208.	0.7	3
8	Influence of top gas recycling technology on operation parameters and CO <sub>2</sub> emission of COREX process. <i>Ironmaking and Steelmaking</i> , 2021, 48, 693-702.	2.1	2
9	Effect of Ca on the evolution of inclusions and the formation of acicular ferrite in Ti-Mg killed EH36 steel. <i>Ironmaking and Steelmaking</i> , 2021, 48, 1115-1122.	2.1	3
10	Effects of Mg and La on the evolution of inclusions and microstructure in Ca-Ti treated steel. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1940-1948.	4.9	19
11	Influence of temperature on the microstructure and physical properties of corundum refractory brick in the blast furnace hearth. <i>Ironmaking and Steelmaking</i> , 2020, 47, 263-270.	2.1	3
12	Effects of finish rolling deformation on hydrogen-induced cracking and hydrogen-induced ductility loss of high-vanadium TMCP X80 pipeline steel. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30828-30844.	7.1	10
13	Effect of Tempering Temperature after Thermo-Mechanical Control Process on Microstructure Characteristics and Hydrogen-Induced Ductility Loss in High-Vanadium X80 Pipeline Steel. <i>Materials</i> , 2020, 13, 2839.	2.9	7
14	Effect of Cerium Content on the Evolution of Inclusions and Formation of Acicular Ferrite in Ti-Mg-Killed EH36 Steel. <i>Metals</i> , 2020, 10, 863.	2.3	12
15	Microstructure and physical properties of a mullite brick in blast furnace hearth: influence of temperature. <i>Ironmaking and Steelmaking</i> , 2020, , 1-7.	2.1	4
16	The Interaction Force between Scheelite and Scheelite/Fluorite/Calcite Measured Using Atomic Force Microscopy. <i>Journal of Chemistry</i> , 2020, 2020, 1-15.	1.9	1
17	Effect of Mg on the Evolution of Inclusions and Formation of Acicular Ferrite in La-Ti-Treated Steels. <i>Steel Research International</i> , 2020, 91, 1900563.	1.8	19
18	Effects of CeO <sub>2</sub> on Melting Temperature, Viscosity, and Structure of CaF <sub>2</sub> -bearing and BaO <sub>2</sub> -containing Mold Fluxes for Casting Rare Earth Alloy Heavy Rail Steels. <i>ISIJ International</i> , 2019, 59, 1242-1249.	1.4	11

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19	Effect of CeO <sub>2</sub> on heat transfer and crystallization behavior of rare earth alloy steel mold fluxes. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 565-572.	4.9	8
20	Influence of Tempering Treatment on Precipitation Behavior, Microstructure, Dislocation Density and Hydrogen-Induced Ductility Loss in High-Vanadium Hot-Rolled X80 Pipeline Steel. Minerals, Metals and Materials Series, 2019, , 1111-1122.	0.4	1
21	Effect of Vanadium and Titanium on Desulfurization of CaO Slag in Liquid Iron. Metals, 2019, 9, 1239.	2.3	1
22	Effect of vanadium content on hydrogen diffusion behaviors and hydrogen induced ductility loss of X80 pipeline steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 712-721.	5.6	40
23	The Microstructure and Property of the Heat Affected zone in C-Mn Steel Treated by Rare Earth. High Temperature Materials and Processes, 2019, 38, 362-369.	1.4	6
24	Reliability analysis of wind turbines under non-Gaussian wind load. Structural Design of Tall and Special Buildings, 2018, 27, e1443.	1.9	4
25	Effects of cooling processes on microstructure and susceptibility of hydrogen-induced cracking of X80 pipeline steel. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 590-600.	1.5	5
26	Separation of Non-metallic Inclusions from a Fe-Al-O Melt Using a Super-Gravity Field. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 34-44.	2.1	6
27	Macrosegregation behavior of solute Cu in the solidifying Al-Cu alloys in super-gravity field. Metallurgical Research and Technology, 2018, 115, 506.	0.7	6
28	Synthesis and densification of zirconium diboride prepared by carbothermal reduction. Rare Metals, 2018, 37, 1076-1081.	7.1	7
29	Multi-Objective Optimization of Cost Saving and Emission Reduction in Blast Furnace Ironmaking Process. Metals, 2018, 8, 979.	2.3	5
30	Effect of heat input on microstructure and toughness of rare earth-contained Ca-Mn steel. Journal of Iron and Steel Research International, 2018, 25, 1033-1042.	2.8	9
31	Effects of vanadium precipitates on hydrogen trapping efficiency and hydrogen induced cracking resistance in X80 pipeline steel. International Journal of Hydrogen Energy, 2018, 43, 17353-17363.	7.1	58
32	Effect of Super-gravity Field on Grain Refinement and Tensile Properties of Cu-Sn Alloys. ISIJ International, 2018, 58, 98-106.	1.4	22
33	Effect of Ti-Mg Treatment on the Impact Toughness of Heat Affected Zone in 0.15%Ca-1.31%Mn Steel. Steel Research International, 2018, 89, 1700355.	1.8	16
34	Effects of Mn and Al on the Intragranular Acicular Ferrite Formation in Rare Earth Treated Ca-Mn Steel. High Temperature Materials and Processes, 2017, 36, 683-691.	1.4	7
35	Role of Lanthanum Addition on Acicular Ferrite Transformation in Ca-Mn Steel. ISIJ International, 2017, 57, 1261-1267.	1.4	38
36	Effect of Super Gravity on the Solidification Structure and C Segregation of High-Carbon Steel. Minerals, Metals and Materials Series, 2017, , 571-579.	0.4	0

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37	The Refining Mechanism of Super Gravity on the Solidification Structure of Al-Cu Alloys. <i>Materials</i> , 2016, 9, 1001.	2.9	30
38	Removal of Inclusions from Molten Aluminum by Supergravity Filtration. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 3435-3445.	2.1	21
39	Enriching and Separating Primary Copper Impurity from Pb-3 Mass Pct Cu Melt by Super-Gravity Technology. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 2714-2724.	2.1	22
40	Electrochemical reduction behavior of Hf(IV) in molten NaCl-KCl-K <sub>2</sub> HfCl <sub>6</sub> system. <i>Rare Metals</i> , 2016, 35, 655-660.	7.1	5
41	Effect of Arsenic and Copper+Arsenic on High Temperature Oxidation and Hot Shortness Behavior of C-Mn Steel. <i>ISIJ International</i> , 2016, 56, 1232-1240.	1.4	14
42	Effect of arsenic content and quenching temperature on solidification microstructure and arsenic distribution in iron-arsenic alloys. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 704-713.	4.9	11
43	Separating Behavior of Nonmetallic Inclusions in Molten Aluminum Under Super-Gravity Field. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2190-2197.	2.1	34
44	Effect of Cerium on Characteristic of Inclusions and Grain Boundary Segregation of Arsenic in Iron Melts. <i>Steel Research International</i> , 2015, 86, 1430-1438.	1.8	29
45	Formation of Acicular Ferrite in Mg Treated Ti-bearing C-Mn Steel. <i>ISIJ International</i> , 2015, 55, 1468-1473.	1.4	32
46	Effect of Manganese Sulphide Size on the Precipitation of Tin Heterogeneous Nucleation in as-Cast Steel. <i>High Temperature Materials and Processes</i> , 2015, 34, .	1.4	1
47	Dielectric properties and energy-storage performances of (1-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> relaxor ferroelectric thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9583-9590.	2.2	27
48	Effect of manganese sulfide on the precipitation behavior of tin in steel. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 654-659.	4.9	7
49	In Situ Observation of the Evolution of Intragranular Acicular Ferrite at Mg-containing Inclusions in 16Mn Steel. <i>Journal for Manufacturing Science and Production</i> , 2013, 13, .	0.1	1
50	Large enhancement of energy-storage properties of compositional graded (Pb <sub>1-x</sub> Lax)(Zr <sub>0.65</sub> Ti <sub>0.35</sub> )O <sub>3</sub> relaxor ferroelectric thick films. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	46
51	Influence of Ce on Characteristics of Inclusions and Microstructure of Pure Iron. <i>Journal of Iron and Steel Research International</i> , 2011, 18, 38-44.	2.8	22
52	Effect of austenitizing temperature on microstructure in 16Mn steel treated by cerium. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2011, 18, 652-658.	4.9	18
53	Intragranular Ferrite Formation Mechanism and Mechanical Properties of Non-quenched-and-tempered Medium Carbon Steels. <i>Steel Research International</i> , 2008, 79, 390-395.	1.8	41
54	Evolution of Inclusions and Microstructure in Ce-Treated C-Mn Steel with Different Mg Contents. <i>Steel Research International</i> , 0, , 2200319.	1.8	1