Guo-dong Wang

List of Publications by Year
in descending order

56	1,513	257450 24	330143 37
papers	citations	h-index	g-index

57	57	57	560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solidification structure and crystallographic texture of strip casting 3wt.% Si non-oriented silicon steel. Materials Characterization, 2011, 62, 463-468.	4.4	98
2	Development of Î»-fiber recrystallization texture and magnetic property in Feâ€“6.5wt% Si thin sheet produced by strip casting and warm rolling method. Materials Letters, 2013, 91, 150-153.	2.6	73
3	Microstructural characteristics with various cooling paths and the mechanism of embrittlement and toughening in low-carbon high performance bridge steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 241-249.	5.6	72
4	Fabrication of high permeability non-oriented electrical steels by increasing ã€˜001ã€‰ recrystallization texture using compacted strip casting processes. Journal of Magnetism and Magnetic Materials, 2015, 374, 577-586.	2.3	66
5	Characterization of microstructure, texture and magnetic properties in twin-roll casting high silicon non-oriented electrical steel. Materials Characterization, 2014, 88, 1-6.	4.4	64
6	Formation of {001} <510> recrystallization texture and magnetic property in strip casting non-oriented electrical steel. Materials Letters, 2012, 81, 65-68.	2.6	62
7	Microstructure, texture evolution and magnetic properties of strip-casting non-oriented 6.5 wt.% Si electrical steel doped with cerium. Materials Characterization, 2015, 103, 101-106.	4.4	55
8	Effects of warm temper rolling on microstructure, texture and magnetic properties of strip-casting 6.5wt% Si electrical steel. Journal of Magnetism and Magnetic Materials, 2014, 370, 6-12.	2.3	54
9	Microstructure, texture and magnetic properties of strip-cast 1.3% Si non-oriented electrical steels. Journal of Magnetism and Magnetic Materials, 2012, 324, 3328-3333.	2.3	51
10	Effects of auto-tempering on microstructure and mechanical properties in hot rolled plain C-Mn dual phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 665, 98-107.	5.6	51
11	Microstructure, texture and magnetic properties of strip casting Feâ€“6.2 wt%Si steel sheet. Journal of Materials Processing Technology, 2012, 212, 1941-1945.	6.3	50
12	Texture Development and Formability of Strip Cast 17% Cr Ferritic Stainless Steel. ISIJ International, 2009, 49, 890-896.	1.4	48
13	Effect of hot rolling reduction on microstructure, texture and ductility of strip-cast grain-oriented silicon steel with different solidification structures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 605, 260-269.	5.6	48
14	Microstructure and texture evolution of strip casting 3wt% Si non-oriented silicon steel with columnar structure. Journal of Magnetism and Magnetic Materials, 2011, 323, 2648-2651.	2.3	46
15	Effects of rolling temperature on microstructure, texture, formability and magnetic properties in strip casting Fe-6.5 wt% Si non-oriented electrical steel. Journal of Magnetism and Magnetic Materials, 2015, 391, 65-74.	2.3	42
16	Evolution of microstructure, texture and inhibitor along the processing route for grain-oriented electrical steels using strip casting. Materials Characterization, 2015, 106, 273-282.	4.4	37
17	Development of TRIP-Aided Lean Duplex Stainless Steel by Twin-Roll Strip Casting and Its Deformation Mechanism. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 6292-6303.	2.2	37
18	Fabrication of grain-oriented silicon steel by a novel way: Strip casting process. Materials Letters, 2014, 137, 475-478.	2.6	36

#	Article	IF	Citations
19	Development of microstructure and texture in strip casting grain oriented silicon steel. Journal of Magnetism and Magnetic Materials, 2015, 379, 161-166.	2.3	36
20	Effect of annealing after strip casting on texture development in grain oriented silicon steel produced by twin roll casting. Materials Characterization, 2015, 107, 79-84.	4.4	34
21	Effect of cerium on the as-cast microstructure and tensile ductility of the twin-roll casting Feâ€“6.5 wt% Si alloy. Materials Letters, 2016, 165, 5-8.	2.6	32
22	Effect of cooling rate on bending behavior of 6.5wt.% Si electrical steel thin sheets fabricated by strip casting and rolling. Materials Characterization, 2016, 111, 67-74.	4.4	29
23	Inhibitor induced secondary recrystallization in thin-gauge grain oriented silicon steel with high permeability. Materials and Design, 2016, 105, 398-403.	7.0	27
24	The Role of Retained Austenite on the Mechanical Properties of a Low Carbon 3Mn-1.5Ni Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 5849-5859.	2.2	26
25	Recrystallization behavior in a low-density high-Mn high-Al austenitic steel undergone thin strip casting process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 733, 87-97.	5.6	26
26	Microstructural evolution and mechanical properties of dual phase steel produced by strip casting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 703, 486-495.	5.6	24
27	Microstructure and Texture of Strip Cast Grain-Oriented Silicon Steel after Symmetrical and Asymmetrical Hot Rolling. Steel Research International, 2014, 85, 1477-1482.	1.8	21
28	Influence of Heat Treatments on the Microstructural Evolution and Resultant Mechanical Properties in a Low Carbon Medium Mn Heavy Steel Plate. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 2300-2312.	2.2	21
29	Microstructure, texture and precipitate of grain-oriented 4.5wt% Si steel by strip casting. Journal of Magnetism and Magnetic Materials, 2016, 404, 230-237.	2.3	19
30	Effect of primary recrystallization microstructure on abnormal growth of Goss grains in a twin-roll cast grain-oriented electrical steel. Materials and Design, 2017, 131, 167-176.	7.0	18
31	Effect of annealing after strip casting on microstructure, precipitates and texture in non-oriented silicon steel produced by twin-roll strip casting. Materials Characterization, 2018, 142, 531-539.	4.4	15
32	Microstructure and texture evolution of ultra-thin grain-oriented silicon steel sheet fabricated using strip casting and three-stage cold rolling method. Journal of Magnetism and Magnetic Materials, 2017, 426, 32-39.	2.3	14
33	Ultra-thin grain-oriented silicon steel sheet fabricated by a novel way: Twin-roll strip casting and two-stage cold rolling. Journal of Magnetism and Magnetic Materials, 2018, 452, 288-296.	2.3	14
34	$$ left{ {114} ight} langle 4overline{8} 1angle $$ 114 âŸ¨ 4 8 Â¯ 1 âŸ© Annealing texture in twin-roll casting non-oriented 6.5 wt% Si electrical steel. Journal of Materials Science, 2017, 52, 247-259.	3.7	13
35	Secondary recrystallization behavior in a twin-roll cast grain-oriented electrical steel. Journal of Magnetism and Magnetic Materials, 2017, 428, 325-332.	2.3	12
36	Characterization of Microstructure and Texture in Grain-Oriented High Silicon Steel by Strip Casting. Acta Metallurgica Sinica (English Letters), 2015, 28, 1394-1402.	2.9	11

#	Article	IF	Citations
37	Microstructure and mechanical properties of a novel hot-rolled 4% Mn steel processed by intercritical annealing. Journal of Materials Science, 2018, 53, 12570-12582.	3.7	11
38	Effects of Coiling Temperature after Hot Rolling on Microstructure, Texture, and Magnetic Properties of Non-Oriented Electrical Steel in Strip Casting Processing Route. Steel Research International, 2016, 87, 1256-1263.	1.8	10
39	Effects of Two-Stage Cold Rolling Schedule on Microstructure and Texture Evolution of Strip Casting Grain-Oriented Silicon Steel with Extra-Low Carbon. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1770-1781.	2.2	10
40	Microstructure and Texture Evolution in Nonâ€oriented Electrical Steels Along Novel Strip Casting Route and Conventional Route. Steel Research International, 2016, 87, 589-598.	1.8	10
41	A medium-Mn steel processed by novel twin-roll strip casting route. Materials Science and Technology, 2019, 35, 1227-1238.	1.6	10
42	The Work Softening by Deformation-Induced Disordering and Cold Rolling of 6.5 wt pct Si Steel Thin Sheets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4659-4668.	2.2	9
43	Effects of Austenitizing Temperature on Tensile and Impact Properties of a Martensitic Stainless Steel Containing Metastable Retained Austenite. Materials, 2021, 14, 1000.	2.9	9
44	The significance of hot rolled microstructure controlled by fine-tuning Al content to texture evolution and magnetic properties of low silicon non-oriented electrical steels. Journal of Magnetism and Magnetic Materials, 2021, 528, 167740.	2.3	9
45	Effect of rolling temperature on the microstructure, texture, and magnetic properties of strip-cast grain-oriented 3% Si steel. Journal of Materials Science, 2018, 53, 9217-9231.	3.7	7
46	1.0 GPa low carbon medium Mn heavy steel plate with excellent ductility. Materials Science and Technology, 2019, 35, 2143-2149.	1.6	7
47	Effect of Hot Rolling on Texture, Precipitation, and Magnetic Properties of Strip-Cast Grain-Oriented Silicon Steel. Steel Research International, 2016, 87, 1601-1608.	1.8	6
48	Effect of cooling mode on microstructure and mechanical properties in an extremely low carbon Cu bearing steel. Materials Characterization, 2016, 120, 38-44.	4.4	6
49	On Goss Orientation in Strip Cast Grain-Oriented Silicon Steel. Steel Research International, 2018, 89, 1700405.	1.8	6
50	Microstructure and magnetic properties of ultra-thin grain-oriented silicon steel: Conventional process versus strip casting. Journal of Magnetism and Magnetic Materials, 2021, 535, 168087.	2.3	6
51	Microstructure and Texture Evolution of Strip-Cast and Hot-Rolled Fe-3Â%Si Steel Sheet. Metallography, Microstructure, and Analysis, 2014, 3, 390-396.	1.0	4
52	Influence of Rolling Reduction on Secondary Recrystallization and Magnetic Properties in Strip-Cast Grain-Oriented 4.5%Si Steel. Steel Research International, 2017, 88, 1600255.	1.8	4
53	The Effect of Initial Microstructure on Microstructure Evolution and Mechanical Properties of Intercritically Rolled Lowâ€Carbon Microalloyed Steel Plates. Steel Research International, 2019, 90, 1900237.	1.8	4
54	Secondary Recrystallization Behavior in Fe-3%Si Grain-oriented Silicon Steel Produced by Twin-roll Casting and Simplified Secondary Annealing. Metals, 2020, 10, 660.	2.3	2

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55	Microstructure and Texture Evolution of Strip Casting Grain-Oriented Silicon Steel. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
56	Evolution of Microstructures and Texture of 1.3%Si Non-Oriented Electrical Steel in the Twin-Roll Strip Casting Process. , 2013, , 609-614.		0