

# Quan Yang

## List of Publications by Year in descending order

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55  
papers

522  
citations

623734

14  
h-index

794594

19  
g-index

56  
all docs

56  
docs citations

56  
times ranked

228  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ measurement of Ti-6Al-4V grain size distribution using laser-ultrasonic technique. Scripta Materialia, 2018, 154, 40-44.	5.2	35
2	High precision shape model and presetting strategy for strip hot rolling. Journal of Materials Processing Technology, 2019, 265, 99-111.	6.3	35
3	Research on the Improvement Effect of High Tension on Flatness Deviation in Cold Strip Rolling. Steel Research International, 2014, 85, 1560-1570.	1.8	27
4	Directional dependence of aluminum grain size measurement by laser-ultrasonic technique. Materials Characterization, 2017, 129, 114-120.	4.4	25
5	Rectangular Section Control Technology for Silicon Steel Rolling. Journal of Iron and Steel Research International, 2015, 22, 185-191.	2.8	24
6	Improvement of centre segregation in continuous casting bloom and the resulting carbide homogeneity in bearing steel GCr15. Ironmaking and Steelmaking, 2019, 46, 896-905.	2.1	24
7	Research and application of approximate rectangular section control technology in hot strip mills. Journal of Iron and Steel Research International, 2021, 28, 279-290.	2.8	24
8	Grain size characterization of aluminum based on ensemble empirical mode decomposition using a laser ultrasonic technique. Applied Acoustics, 2019, 156, 378-386.	3.3	23
9	Precision Plate Plan View Pattern Predictive Model. Journal of Iron and Steel Research International, 2011, 18, 26-30.	2.8	20
10	Mechanism of lateral metal flow on residual stress distribution during hot strip rolling. Journal of Materials Processing Technology, 2021, 288, 116838.	6.3	19
11	Control Strategies of Asymmetric Strip Shape in Six-High Cold Rolling Mill. Journal of Iron and Steel Research International, 2011, 18, 27-32.	2.8	18
12	Optimization of Short Stroke Control Preset for Automatic Width Control of Hot Rolling Mill. Journal of Iron and Steel Research International, 2010, 17, 16-20.	2.8	16
13	Study on mathematical model of work roll wear in skin-pass rolling of hot steel strip. International Journal of Advanced Manufacturing Technology, 2018, 97, 2675-2686.	3.0	16
14	Texture in steel plates revealed by laser ultrasonic surface acoustic waves velocity dispersion analysis. Ultrasonics, 2017, 78, 30-39.	3.9	14
15	Evaluation of surface roughness of a machined metal surface based on laser speckle pattern. Journal of Engineering, 2018, 2018, 773-778.	1.1	14
16	Symmetry variable taper work roll technology for silicon steel profile control in hot strip mills. Ironmaking and Steelmaking, 2020, 47, 587-595.	2.1	14
17	Coordinated control of carbon and oxygen for ultra-low-carbon interstitial-free steel in a smelting process. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 1252-1259.	4.9	13
18	Research on Hybrid PSODE with Three Populations Based on Multiple Differential Evolutionary Models. , 2010, , .		11

#	ARTICLE	IF	CITATIONS
19	Determination of Grain Size in Deep Drawing Steel Sheet by Laser Ultrasonics. <i>Materials Transactions</i> , 2014, 55, 994-997.	1.2	11
20	Characterization of mean grain size of interstitial-free steel based on laser ultrasonic. <i>Journal of Materials Science</i> , 2018, 53, 8510-8522.	3.7	11
21	Distribution and Detriment of Bubbles in Continuous Casting Interstitial Free Steel Slab. <i>ISIJ International</i> , 2015, 55, 799-804.	1.4	10
22	Numerical and experimental investigation of solidification structure evolution and reduction of centre segregation in continuously cast GCr15 bloom. <i>Ironmaking and Steelmaking</i> , 2020, 47, 1063-1077.	2.1	10
23	Electromagnetic torque detecting for optimization of in-mould electromagnetic stirring in the billet and bloom continuous casting. <i>Ironmaking and Steelmaking</i> , 2019, 46, 845-854.	2.1	9
24	Effect of work roll shifting control on edge drop for 6-hi tandem cold mills based on finite element method model. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 2497-2511.	3.0	9
25	Dynamic Decoupling for Combined Shape and Gauge Control System in Wide Strip Rolling Process. <i>Journal of Iron and Steel Research International</i> , 2008, 15, 28-31.	2.8	8
26	Allowable variation of cold-rolled strip transverse profiles in high tension. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2010, 17, 608-616.	4.9	7
27	Research and application on slab camber control model in hot rolling. <i>Ironmaking and Steelmaking</i> , 2020, 47, 781-789.	2.1	7
28	Analysis of tapered work roll shifting technique in 5-stand UCMW tandem cold rolling process. <i>Australian Journal of Mechanical Engineering</i> , 2021, 19, 291-299.	2.1	7
29	Improvement of prediction model for work roll thermal contour in hot strip mill. <i>Central South University</i> , 2010, 17, 1251-1257.	0.5	6
30	Smart-shifting strategy of work rolls for downstream stands in hot rolling. <i>Ironmaking and Steelmaking</i> , 2020, 47, 512-519.	2.1	6
31	An Experimental Investigation of Steel Surface Topography Transfer by Cold Rolling. <i>Micromachines</i> , 2020, 11, 916.	2.9	6
32	Nondestructive characterization of aluminum grain size using a ring-shaped laser ultrasonic method. <i>AIP Advances</i> , 2022, 12, .	1.3	5
33	Generalized shape and gauge decoupling load distribution optimization based on IGA for tandem cold mill. <i>Journal of Iron and Steel Research International</i> , 2009, 16, 30-34.	2.8	4
34	Study and Application of Camber Control Model of Intermediate Slab in Rough Rolling. <i>Journal of Iron and Steel Research International</i> , 2014, 21, 817-822.	2.8	4
35	Research on Wear Evolution Laws of the Work Rolls during Hot Temper Rolling Process. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 912-919.	0.9	4
36	Application of Takagi-Sugeno fuzzy model for slab camber control in a hot strip rougher mill. <i>Ironmaking and Steelmaking</i> , 2020, 47, 623-631.	2.1	4

#	ARTICLE	IF	CITATIONS
37	Research and Application of Flat Roll Technology in the Downstream Stands for CSP. Journal of Iron and Steel Research International, 2011, 18, 30-35.	2.8	3
38	Effect of roller shapes on strip buckling in a continuous annealing furnace. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 297-302.	4.9	3
39	Silicon Steel Strip Profile Control Technology for Six-High Cold Rolling Mill with Small Work Roll Radius. Metals, 2020, 10, 401.	2.3	3
40	Solidâ€“liquid interface reconstruction for sandwich structure metal plate via laser-ultrasonic techniques. Review of Scientific Instruments, 2021, 92, 123003.	1.3	3
41	Grain size distribution measurement of Ti-6Al-4V plate using laser-ultrasonics. Proceedings of Meetings on Acoustics, 2017, , .	0.3	2
42	Difference Analysis in Steel Cleanness between Two RH Treatment Modes for SPHC Grade. ISIJ International, 2015, 55, 1652-1660.	1.4	2
43	Coiling eccentricity compensation control system based on BP Neural Network Algorithm. , 2011, , .		1
44	Deviation Prevention Ability of Rollers in Continuous Annealing Furnace and Application. Journal of Iron and Steel Research International, 2012, 19, 8-13.	2.8	1
45	Research on online texture measurements in metal rolling field. Journal of Shanghai Jiaotong University (Science), 2012, 17, 690-696.	0.9	1
46	Plane dimension detection with a single camera based on a flat refractive camera model. Journal of Engineering, 2019, 2019, 647-651.	1.1	1
47	A Method about Load Distribution of Fishing Mills Based on RBF Neural Network. , 2007, , .		0
48	Application of full restart method in FEM analysis of plate rolling. , 2010, , .		0
49	Research on high precision profile control technique of silicon steel for UCM tandem cold rolling mill. , 2010, , .		0
50	Modeling of dynamic shape control strategy in cold rolling of strip. , 2010, , .		0
51	Research and application of VCR plus technology in hot strip mills. , 2011, , .		0
52	Analysis of thin strip edge drop formation during cold rolling process. Australian Journal of Mechanical Engineering, 2020, , 1-11.	2.1	0
53	A NUMERICAL SIMULATION OF STRIP PROFILE IN A 6-HIGH COLD ROLLING MILL. , 2009, , .		0
54	Converging thermoelastic bulk waves using a ring-shaped laser ultrasonic technique and application to thickness detection. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
55	Research on the Effect of Thickness Difference of Weld Seam on Strip Breaking During Rolling in PL-TCM. International Journal of Modeling, Simulation, and Scientific Computing, 0, , .	1.4	0