

# 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	Nondestructive characterization of aluminum grain size using a ring-shaped laser ultrasonic method. AIP Advances, 2022, 12, .	1.3	5
2	Analysis of tapered work roll shifting technique in 5-stand UCMW tandem cold rolling process. Australian Journal of Mechanical Engineering, 2021, 19, 291-299.	2.1	7
3	Mechanism of lateral metal flow on residual stress distribution during hot strip rolling. Journal of Materials Processing Technology, 2021, 288, 116838.	6.3	19
4	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
5	Converging thermoelastic bulk waves using a ring-shaped laser ultrasonic technique and application to thickness detection. , 2021, , .		0
6	Solidâ€“liquid interface reconstruction for sandwich structure metal plate via laser-ultrasonic techniques. Review of Scientific Instruments, 2021, 92, 123003.	1.3	3
7	Smart-shifting strategy of work rolls for downstream stands in hot rolling. Ironmaking and Steelmaking, 2020, 47, 512-519.	2.1	6
8	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
9	Research and application on slab camber control model in hot rolling. Ironmaking and Steelmaking, 2020, 47, 781-789.	2.1	7
10	Numerical and experimental investigation of solidification structure evolution and reduction of centre segregation in continuously cast GCr15 bloom. Ironmaking and Steelmaking, 2020, 47, 1063-1077.	2.1	10
11	Application of Takagiâ€“Sugeno fuzzy model for slab camber control in a hot strip rougher mill. Ironmaking and Steelmaking, 2020, 47, 623-631.	2.1	4
12	An Experimental Investigation of Steel Surface Topography Transfer by Cold Rolling. Micromachines, 2020, 11, 916.	2.9	6
13	Analysis of thin strip edge drop formation during cold rolling process. Australian Journal of Mechanical Engineering, 2020, , 1-11.	2.1	0
14	Silicon Steel Strip Profile Control Technology for Six-High Cold Rolling Mill with Small Work Roll Radius. Metals, 2020, 10, 401.	2.3	3
15	Effect of work roll shifting control on edge drop for 6-hi tandem cold mills based on finite element method model. International Journal of Advanced Manufacturing Technology, 2020, 107, 2497-2511.	3.0	9
16	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
17	Plane dimension detection with a single camera based on a flat refractive camera model. Journal of Engineering, 2019, 2019, 647-651.	1.1	1
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	High precision shape model and presetting strategy for strip hot rolling. <i>Journal of Materials Processing Technology</i> , 2019, 265, 99-111.	6.3	35
21	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
22	Evaluation of surface roughness of a machined metal surface based on laser speckle pattern. <i>Journal of Engineering</i> , 2018, 2018, 773-778.	1.1	14
23	Study on mathematical model of work roll wear in skin-pass rolling of hot steel strip. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 2675-2686.	3.0	16
24	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
25	In-situ measurement of Ti-6Al-4V grain size distribution using laser-ultrasonic technique. <i>Scripta Materialia</i> , 2018, 154, 40-44.	5.2	35
26	Texture in steel plates revealed by laser ultrasonic surface acoustic waves velocity dispersion analysis. <i>Ultrasonics</i> , 2017, 78, 30-39.	3.9	14
27	Directional dependence of aluminum grain size measurement by laser-ultrasonic technique. <i>Materials Characterization</i> , 2017, 129, 114-120.	4.4	25
28	Grain size distribution measurement of Ti-6Al-4V plate using laser-ultrasonics. <i>Proceedings of Meetings on Acoustics</i> , 2017, , .	0.3	2
29	Distribution and Detriment of Bubbles in Continuous Casting Interstitial Free Steel Slab. <i>ISIJ International</i> , 2015, 55, 799-804.	1.4	10
30	Coordinated control of carbon and oxygen for ultra-low-carbon interstitial-free steel in a smelting process. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 1252-1259.	4.9	13
31	Rectangular Section Control Technology for Silicon Steel Rolling. <i>Journal of Iron and Steel Research International</i> , 2015, 22, 185-191.	2.8	24
32	Difference Analysis in Steel Cleanness between Two RH Treatment Modes for SPHC Grade. <i>ISIJ International</i> , 2015, 55, 1652-1660.	1.4	2
33	Research on the Improvement Effect of High Tension on Flatness Deviation in Cold Strip Rolling. <i>Steel Research International</i> , 2014, 85, 1560-1570.	1.8	27
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	Determination of Grain Size in Deep Drawing Steel Sheet by Laser Ultrasonics. <i>Materials Transactions</i> , 2014, 55, 994-997.	1.2	11
36	Deviation Prevention Ability of Rollers in Continuous Annealing Furnace and Application. <i>Journal of Iron and Steel Research International</i> , 2012, 19, 8-13.	2.8	1

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37	Research on online texture measurements in metal rolling field. Journal of Shanghai Jiaotong University (Science), 2012, 17, 690-696.	0.9	1
38	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
39	Precision Plate Plan View Pattern Predictive Model. Journal of Iron and Steel Research International, 2011, 18, 26-30.	2.8	20
40	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
41	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
42	Research and application of VCR plus technology in hot strip mills. , 2011, , .		0
43	Coiling eccentricity compensation control system based on BP Neural Network Algorithm. , 2011, , .		1
44	Allowable variation of cold-rolled strip transverse profiles in high tension. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 608-616.	4.9	7
45	Improvement of prediction model for work roll thermal contour in hot strip mill. Central South University, 2010, 17, 1251-1257.	0.5	6
46	Application of full restart method in FEM analysis of plate rolling. , 2010, , .		0
47	Research on high precision profile control technique of silicon steel for UCM tandem cold rolling mill. , 2010, , .		0
48	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
49	Research on Hybrid PODE with Three Populations Based on Multiple Differential Evolutionary Models. , 2010, , .		11
50	Modeling of dynamic shape control strategy in cold rolling of strip. , 2010, , .		0
51	Generalized shape and gauge decoupling load distribution optimization based on IGA for tandem cold mill. Journal of Iron and Steel Research International, 2009, 16, 30-34.	2.8	4
52	A NUMERICAL SIMULATION OF STRIP PROFILE IN A 6-HIGH COLD ROLLING MILL. , 2009, , .		0
53	Dynamic Decoupling for Combined Shape and Gauge Control System in Wide Strip Rolling Process. Journal of Iron and Steel Research International, 2008, 15, 28-31.	2.8	8
54	A Method about Load Distribution of Fishing Mills Based on RBF Neural Network. , 2007, , .		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