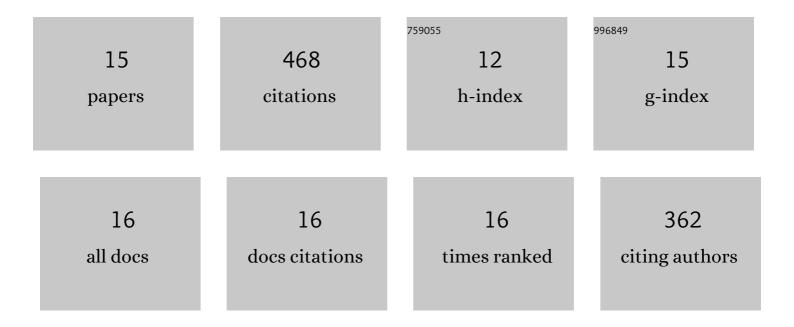
## Isnaldi Souza Filho

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5153612/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Green steel at its crossroads: Hybrid hydrogen-based reduction of iron ores. Journal of Cleaner Production, 2022, 340, 130805.	4.6	36
2	Reuse of iron ore tailings for production of metakaolin-based geopolymers. Journal of Materials Research and Technology, 2022, 18, 4194-4200.	2.6	15
3	A sustainable ultra-high strength Fe18Mn3Ti maraging steel through controlled solute segregation and α-Mn nanoprecipitation. Nature Communications, 2022, 13, 2330.	5.8	22
4	Sustainable steel through hydrogen plasma reduction of iron ore: Process, kinetics, microstructure, chemistry. Acta Materialia, 2021, 213, 116971.	3.8	46
5	The impact of grain-scale strain localization on strain hardening of a high-Mn steel: Real-time tracking of the transition from the γÂ→ÂεÂ→Âα' transformation to twinning. Acta Materialia, 2020, 197, 123-136.	3.8	37
6	Current Challenges and Opportunities in Microstructure-Related Properties of Advanced High-Strength Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5517-5586.	1.1	115
7	Austenite reversion in AISI 201 austenitic stainless steel evaluated via in situ synchrotron X-ray diffraction during slow continuous annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 755, 267-277.	2.6	10
8	Strain hardening mechanisms during cold rolling of a high-Mn steel: Interplay between submicron defects and microtexture. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 754, 636-649.	2.6	18
9	Martensite to austenite reversion in a high-Mn steel: Partitioning-dependent two-stage kinetics revealed by atom probe tomography, in-situ magnetic measurements and simulation. Acta Materialia, 2019, 166, 178-191.	3.8	27
10	Magnetic properties of a 17.6 Mn-TRIP steel: Study of strain-induced martensite formation, austenite reversion, and athermal α′-formation. Journal of Magnetism and Magnetic Materials, 2019, 473, 109-118.	1.0	15
11	Short Communication on "Coarsening of Y-rich oxide particles in 9%Cr-ODS Eurofer steel annealed at 1350Ã, Ã,°C― Journal of Nuclear Materials, 2017, 484, 283-287.	1.3	13
12	Strain partitioning and texture evolution during cold rolling of AISI 201 austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 161-172.	2.6	33
13	Absence of superconductivity in NbB. Physical Review Materials, 2017, 1, .	0.9	4
14	Effects of strain-induced martensite and its reversion on the magnetic properties of AISI 201 austenitic stainless steel. Journal of Magnetism and Magnetic Materials, 2016, 419, 156-165.	1.0	31
15	In situ synchrotron X-ray evaluation of strain-induced martensite in AISI 201 austenitic stainless steel during tensile testing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 651, 507-516.	2.6	46