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List of Publications by Year
in descending order

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41 papers	947 citations	361413 20 h-index	454955 30 g-index
41 all docs	41 docs citations	41 times ranked	782 citing authors

#	Article	IF	Citations
1	Effects of Annealing on the Fabrication of Al-TiAl3 Nanocomposites Before and After Accumulative Roll Bonding and Evaluation of Strengthening Mechanisms. Acta Metallurgica Sinica (English Letters), 2022, 35, 636-650.	2.9	2
2	EBSD Evaluation of Al- TiAl3 Composites Manufactured Through CRB-Annealing-ARB and CRB-ARB-Annealing Methods. Transactions of the Indian Institute of Metals, 2022, 75, 113-131.	1.5	1
3	Effect of Friction Stir Welding on the Microstructure and Mechanical Properties of Super Duplex Stainless Steel. Metallography, Microstructure, and Analysis, 2021, 10, 383-391.	1.0	3
4	WEAR ANALYSIS OF ALUMINUMâ€“NICKEL INTERMETALLIC SURFACE COMPOSITE FABRICATED BY FRICTION STIR PROCESSING. Surface Review and Letters, 2021, 28, 2050057.	1.1	2
5	Evaluation of hydrogen permeation through standalone thermally sprayed coatings of AISI 316L stainless steel. International Journal of Hydrogen Energy, 2018, 43, 4657-4670.	7.1	9
6	Friction Stir Welding of Al-B4C Composite Fabricated by Accumulative Roll Bonding: Evaluation of Microstructure and Mechanical Behavior. Journal of Materials Engineering and Performance, 2018, 27, 835-846.	2.5	30
7	FABRICATION OF IN SITU NICKEL INTERMETALLIC COMPOUND DISPERSED ALUMINUM MATRIX COMPOSITES BY FRICTION STIR PROCESS. Surface Review and Letters, 2018, 25, 1950010.	1.1	1
8	Effect of Cold Rolling Parameters on Bond Strength of Ti Particle Embedded Al Strips. Transactions of the Indian Institute of Metals, 2018, 71, 2497-2504.	1.5	4
9	Hemocompatible and Bioactive Heparinâ€Loaded PCLâ€Ĵ±â€TCP Fibrous Membranes for Bone Tissue Engineering. Macromolecular Bioscience, 2018, 18, e1800020.	4.1	25
10	Diffusion behavior of hydrogen through thermally sprayed coating of 316L stainless steel. International Journal of Hydrogen Energy, 2017, 42, 6409-6419.	7.1	24
11	Investigation of the corrosion behavior of cathodic arc evaporated stainless steel coating in 3.5% NaCl. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 902-909.	1.1	12
12	The effect of APS parameter on the microstructural, mechanical and corrosion properties of plasma sprayed Ni-Ti-Al intermetallic coatings. Surface and Coatings Technology, 2017, 309, 959-968.	4.8	36
13	Effect of Particles on Continuous and Discontinuous Recrystallization of Nanostructured Interstitial Free Steel. Jom, 2016, 68, 271-278.	1.9	5
14	Production of nanograin microstructure in steel nanocomposite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 638, 143-151.	5.6	12
15	Preparation and biocompatibility evaluation of bioactive glassâ€“forsterite nanocomposite powder for oral bone defects treatment applications. Materials Science and Engineering C, 2015, 56, 409-416.	7.3	12
16	Strengthening mechanisms in nanostructured interstitial free steel deformed to high strain. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 656-662.	5.6	27
17	On the Achievement of Nanostructured Interstitial Free Steel by Four-Layer Accumulative Roll Bonding Process at Room Temperature. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4013-4019.	2.2	19
18	Microstructural evolution of nanostructured steel-based composite fabricated by accumulative roll bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 298-306.	5.6	22

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19	Evaluation of hot corrosion behavior of plasma sprayed scandia and yttria co-stabilized nanostructured thermal barrier coatings in the presence of molten sulfate and vanadate salt. Journal of the European Ceramic Society, 2015, 35, 693-702.	5.7	92
20	Hybrid composites produced by anodizing and accumulative roll bonding (ARB) processes. Ceramics International, 2014, 40, 10027-10035.	4.8	21
21	The effect of alumina content on the mechanical properties of hybrid composites fabricated by ARB process. Ceramics International, 2014, 40, 10489-10498.	4.8	23
22	Effect of SiC nanoparticles on the mechanical properties of steel-based nanocomposite produced by accumulative roll bonding process. Materials & Design, 2014, 54, 168-173.	5.1	42
23	Comparison of Microparticles and Nanoparticles Effects on the Bonding of Roll Bonded IF Steel. Transactions of the Indian Institute of Metals, 2014, 67, 659-665.	1.5	3
24	The effect of SiC nanoparticles on deformation texture of ARB-processed steel-based nanocomposite. Materials Characterization, 2014, 93, 150-162.	4.4	12
25	Fabrication of Nano/Ultra-Fine Grained IF Steel via SPD Processes: a Review. Transactions of the Indian Institute of Metals, 2014, 67, 787-802.	1.5	16
26	Life time of new SYSZ thermal barrier coatings produced by plasma spraying method under thermal shock test and high temperature treatment. Ceramics International, 2014, 40, 1405-1414.	4.8	87
27	Preparation of nanostructured YSZ granules by the spray drying method. Ceramics International, 2014, 40, 3721-3729.	4.8	34
28	Comparison of microparticles and nanoparticles effects on the microstructure and mechanical properties of steel-based composite and nanocomposite fabricated via accumulative roll bonding process. Materials & Design, 2014, 56, 359-367.	5.1	41
29	Texture Development of ARB-Processed Steel-Based Nanocomposite. Journal of Materials Engineering and Performance, 2014, 23, 4436-4445.	2.5	14
30	Comparison of microparticles and nanoparticles effects on deformation texture of steel-based composite and nanocomposite fabricated by the ARB process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 173-187.	5.6	14
31	Effect of SiC Nanoparticles on Bond Strength of Cold Roll Bonded IF Steel. Journal of Materials Engineering and Performance, 2013, 22, 3348-3356.	2.5	11
32	Comparative studies on synthesis of nanocrystalline Sc2O3â€“Y2O3 doped zirconia (SYDZ) and YSZ solid solution via modified and classic Pechini method. CrystEngComm, 2013, 15, 5898.	2.6	67
33	Fabrication of nanoparticle strengthened IF steel via ARB process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 583, 20-24.	5.6	30
34	Spray drying of nanometric SYSZ powders to obtain plasma sprayable nanostructured granules. Ceramics International, 2013, 39, 9447-9457.	4.8	44
35	Large scale synthesis of non-transformable tetragonal Sc2O3, Y2O3 doped ZrO2 nanopowders via the citric acid based gel method to obtain plasma sprayed coating. Ceramics International, 2013, 39, 7817-7829.	4.8	24
36	Effect of stacking fault energy on nanostructure formation under accumulative roll bonding (ARB) process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 578, 191-196.	5.6	38

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37	Synthesis of Scandia, Yttria Stabilized Zirconia (SYSZ) Nanoparticles by New Wet Chemistry Method. Current Nanoscience, 2012, 8, 767-775.	1.2	22
38	Plasma Sprayed NiAl Intermetallic Coating Produced with Mechanically Alloyed Powder. Journal of Materials Science and Technology, 2011, 27, 816-820.	10.7	25
39	Fluid Flow and Mixing in Non-Isothermal Water Model of Continuous Casting Tundish. Journal of Iron and Steel Research International, 2008, 15, 7-13.	2.8	14
40	Behavior of Mixed Grade during the Grade Transition for Different Conditions in the Slab Continuous Casting. ISIJ International, 2008, 48, 28-37.	1.4	17
41	Synthesis and Thermal Stability of Nontransformable Tetragonal (ZrO₂)_{0.96}(REO_{1.5})_{0.04} (Re=Sc³⁺, Y³⁺) Nanocrystals. Defect and Diffusion Forum, 0, 334-335, 60-64.	0.4	10