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List of Publications by Year
in descending order

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50 papers	1,411 citations	279798 23 h-index	330143 37 g-index
50 all docs	50 docs citations	50 times ranked	1086 citing authors

#	Article	IF	Citations
1	Hot corrosion behaviour of plasma sprayed YSZ/LaMgAl11O19 composite coatings in molten sulfateâ€“vanadate salt. Corrosion Science, 2011, 53, 2335-2343.	6.6	111
2	Formation mechanism of Fe2O3 hollow fibers by direct annealing of the electrospun composite fibers and their magnetic, electrochemical properties. CrystEngComm, 2011, 13, 2863.	2.6	85
3	Thermal aging behavior of plasma sprayed LaMgAl11O19 thermal barrier coating. Journal of the European Ceramic Society, 2011, 31, 2285-2294.	5.7	73
4	Fabrication and properties of Al2O3â€“TiB2â€“TiC/Al metal matrix composite coatings by atmospheric plasma spraying of SHS powders. Journal of Alloys and Compounds, 2016, 672, 251-259.	5.5	73
5	Preparation and thermophysical properties of nano-sized Ln2Zr2O7 (LnÂ=ÂLa, Nd, Sm, and Gd) ceramics with pyrochlore structure. Journal of Materials Science, 2012, 47, 4392-4399.	3.7	67
6	Preparation and corrosion resistance of MAO/Niâ€“P composite coat on Mg alloy. Applied Surface Science, 2013, 277, 272-280.	6.1	58
7	Oxidation protection of carbon/carbon composites with a plasma-sprayed ZrB2â€“SiCâ€“Si/Yb2SiO5/LaMgAl11O19 coating during thermal cycling. Journal of the European Ceramic Society, 2015, 35, 2017-2025.	5.7	58
8	Fabrication and properties of ZrCâ€“ZrB2/Ni cermet coatings on a magnesium alloy by atmospheric plasma spraying of SHS powders. Ceramics International, 2014, 40, 15537-15544.	4.8	51
9	Influence of ceramic thickness on residual stress and bonding strength for plasma sprayed duplex thermal barrier coating on aluminum alloy. Surface and Coatings Technology, 2012, 206, 4403-4410.	4.8	48
10	Microstructure, oxidation protection and failure mechanism of Yb2SiO5/LaMgAl11O19 coating deposited on C/SiC composites by atmospheric plasma spraying. Corrosion Science, 2012, 62, 192-200.	6.6	47
11	Self-propagating high-temperature synthesis of TiCâ€“TiB2-based Co cermets from a Coâ€“Tiâ€“B4C system and fabrication of coatings using the cermet powders. Chemical Engineering Journal, 2013, 233, 138-148.	12.7	47
12	Synthesis and characterization of in situ TiCâ€“TiB2 composite coatings by reactive plasma spraying on a magnesium alloy. Applied Surface Science, 2013, 264, 879-885.	6.1	47
13	Fabrication of CoFe2O4 hollow fibers by direct annealing of the electrospun composite fibers and their magnetic properties. CrystEngComm, 2011, 13, 2268.	2.6	46
14	Reactive plasma spraying synthesis and characterization of TiB2â€“TiCâ€“Al2O3/Al composite coatings on a magnesium alloy. Journal of Alloys and Compounds, 2014, 596, 10-18.	5.5	45
15	Reaction synthesis of TiCâ€“TiB2/Al composites from an Alâ€“Tiâ€“B4C system. Journal of Materials Science, 2007, 42, 9927-9933.	3.7	38
16	Corrosion of lanthanum magnesium hexaaluminate as plasma-sprayed coating and as bulk material when exposed to molten V2O5-containing salt. Corrosion Science, 2015, 91, 185-194.	6.6	38
17	Preparation and Characterization of 8YSZ Thermal Barrier Coatings on Rare Earth-Magnesium Alloy. Journal of Thermal Spray Technology, 2011, 20, 948-957.	3.1	36
18	A new double layer oxidation resistant coating based on Er2SiO5/LaMgAl11O19 deposited on C/SiC composites by atmospheric plasma spraying. Surface and Coatings Technology, 2013, 219, 101-108.	4.8	36

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19	Oxidation and thermal shock resistant properties of Si/Yb2SiO5/NdMgAl11O19 coating deposited on Cf/SiC composites. Materials and Design, 2017, 116, 261-267.	7.0	28
20	Synthesis and characterization of Yb and Er based monosilicate powders and durability of plasma sprayed Yb2SiO5 coatings on C/Câ€“SiC composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 184-189.	3.5	27
21	Hot corrosion behavior of LaTi2Al9O19 ceramic exposed to vanadium oxide at temperatures of 700â€“950 Â°C in air. Corrosion Science, 2016, 104, 310-318.	6.6	26
22	Hot corrosion behaviour of nanostructured zirconia in molten NaVO3 salt. Ceramics International, 2017, 43, 10415-10427.	4.8	26
23	High-temperature corrosion behavior of zirconia ceramic in molten Na2SO4+NaVO3 salt mixture. Ceramics International, 2016, 42, 341-350.	4.8	25
24	Microstructure and Thermal Cycling Behavior of Air Plasma-Sprayed YSZ/LaMgAl11O19 Composite Coatings. Journal of Thermal Spray Technology, 2011, 20, 1328-1338.	3.1	24
25	Improving stability of thermal barrier coatings on magnesium alloy with electroless plated Niâ€“P interlayer. Surface and Coatings Technology, 2012, 206, 4471-4480.	4.8	24
26	High-temperature corrosion behaviour of plasma sprayed lanthanum magnesium hexaluminate coating by vanadium oxide. Journal of the European Ceramic Society, 2015, 35, 227-236.	5.7	21
27	Fabrication and oxidation resistant behavior of plasma sprayed Si/Yb2Si2O7/LaMgAl11O19 coating for Cf/SiC composites at 1673 K. Ceramics International, 2017, 43, 392-398.	4.8	19
28	Reaction behavior, microstructure and application in coating of in situ ZrCâ€“ZrB2 ceramic composites powders from a Coâ€“Zrâ€“B4C system. Materials & Design, 2015, 81, 65-72.	5.1	17
29	Improvement of thermal shock resistance for thermal barrier coating on aluminum alloy with various electroless interlayers. Surface and Coatings Technology, 2011, 206, 29-36.	4.8	16
30	Fabrication and properties of TiB2-TiC reinforced NiAl coatings by reactive plasma spraying on AZ91D magnesium alloy. Surface and Coatings Technology, 2019, 378, 125055.	4.8	15
31	Fabrication and characterization of TiB2-TiC-Co wear-resistant coatings on AZ91D magnesium alloy. Surface and Coatings Technology, 2019, 364, 358-368.	4.8	15
32	Thermal cycling behavior and hot corrosion performance of the plasma sprayed Er2Si2O7 coatings deposited on Cf/SiC composites. Journal of Asian Ceramic Societies, 2015, 3, 123-129.	2.3	13
33	Thermal shock behavior of YSZ thermal barrier coatings with a Ni-P/Al/Ni-P sandwich interlayer on AZ91D magnesium alloy substrate at 400â€Â°C. Surface and Coatings Technology, 2019, 367, 278-287.	4.8	13
34	Reaction behavior and formation mechanism of ZrC and ZrB2 in the Cuâ€“Zrâ€“B4C system. International Journal of Refractory Metals and Hard Materials, 2014, 43, 102-108.	3.8	12
35	Effect of Zr/Ce molar ratio on the structure of powders and Zr1â^'x Ce x O2 coatings on quartz fiber reinforced polyimide matrix composites via solâ€“gel process. Journal of Sol-Gel Science and Technology, 2012, 61, 213-223.	2.4	11
36	Mechanism in reactive plasma spraying synthesis of TiCâ€“TiB2 composite coating. Journal of Asian Ceramic Societies, 2013, 1, 322-327.	2.3	11

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37	Microstructure and oxidation resistant behavior of Er 2 Si 2 O 7 and Er 2 Si 2 O 7 /LaMgAl 11 O 19 coatings deposited on C f /SiC composites by APS at 1723ÂK. Journal of Alloys and Compounds, 2017, 709, 24-30.	5.5	10
38	Hot corrosion behavior of Yb2Si2O7 ceramic under NaVO3 salt attack. Ceramics International, 2020, 46, 2618-2623.	4.8	8
39	Thermal Shock Resistance of APS 8YSZ Thermal Barrier Coatings on Titanium Alloy. Journal of Thermal Spray Technology, 2012, 21, 335-343.	3.1	7
40	Preparation and Bond Properties of Thermal Barrier Coatings on Mg Alloy with Sprayed Al or Diffused Mg-Al Intermetallic Interlayer. Journal of Thermal Spray Technology, 2014, 23, 304-316.	3.1	7
41	Reaction Behavior and Mechanism during Self-Propagating High-Temperature Synthesis Reaction in an Al-TiO2-B4C System. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2008, 39, 613-618.	2.1	6
42	Effect of reactant C/Ti ratio on the stoichiometry of Combustion-synthesized TiCx in Ti-C system. Journal of the Ceramic Society of Japan, 2009, 117, 525-528.	1.1	5
43	Novel double ceramic coatings based on Yb2Si2O7/La2(Zr0.7Ce0.3)2O7 by plasma spraying on Cf/SiC composites and their thermal shock behavior. Surface and Coatings Technology, 2012, 207, 546-554.	4.8	5
44	Effect of TiO2 addition on the combustion synthesis in the Tiâ€“B4C system. Journal of Materials Research, 2008, 23, 1327-1333.	2.6	3
45	Hot corrosion behavior of Yb2SiO5 coating in NaVO3 molten salt. Corrosion Science, 2021, 193, 109883.	6.6	3
46	Manganese coating Î±-Ni(OH)2 as high-performance cathode material for Ni-MH battery. Ionics, 2022, 28, 1265-1272.	2.4	3
47	Synthesis of rare earth silicate thermal barrier coating materials (YxYb2-xSiO5) and application on the surface of titanium alloy. Inorganic Chemistry Communication, 2022, 135, 109129.	3.9	3
48	Hot corrosion behaviour of Yb2Si2O7 environmental barrier coatings in molten NaVO3 salt. Ceramics International, 2021, 47, 30598-30609.	4.8	2
49	Reaction Mechanism of ZrB2-ZrC Formation in Ni-Zr-B4C System Analyzed by Differential Scanning Calorimetry. Materials, 2021, 14, 6467.	2.9	2
50	Hot corrosion behavior of Yb2Si2O7 ceramic by NaVO3 at 500 Â°C to 900 Â°C. Journal of Asian Ceramic Societies, 0, , 1-7.	2.3	0