

Chao Zhang

List of Publications by Year in descending order

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papers

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53794

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142
all docs

142
docs citations

142
times ranked

4420
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen sensors based on noble metal doped metal-oxide semiconductor: A review. International Journal of Hydrogen Energy, 2017, 42, 20386-20397.	7.1	213
2	Room temperature conductive type metal oxide semiconductor gas sensors for NO ₂ detection. Sensors and Actuators A: Physical, 2019, 289, 118-133.	4.1	143
3	Sensing properties of atmospheric plasma-sprayed WO ₃ coating for sub-ppm NO ₂ detection. Sensors and Actuators B: Chemical, 2010, 144, 280-288.	7.8	140
4	Wear and corrosion resistant performance of thermal-sprayed Fe-based amorphous coatings: A review. Surface and Coatings Technology, 2019, 377, 124896.	4.8	133
5	Room temperature responses of visible-light illuminated WO ₃ sensors to NO ₂ in sub-ppm range. Sensors and Actuators B: Chemical, 2013, 181, 395-401.	7.8	129
6	Graphene-enhanced metal oxide gas sensors at room temperature: a review. Beilstein Journal of Nanotechnology, 2018, 9, 2832-2844.	2.8	126
7	Metal oxide semiconductors with highly concentrated oxygen vacancies for gas sensing materials: A review. Sensors and Actuators A: Physical, 2020, 309, 112026.	4.1	126
8	Zinc ferrite based gas sensors: A review. Ceramics International, 2019, 45, 11143-11157.	4.8	116
9	Ionic conductivity and its temperature dependence of atmospheric plasma-sprayed yttria stabilized zirconia electrolyte. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 137, 24-30.	3.5	112
10	Study on impact fusion at particle interfaces and its effect on coating microstructure in cold spraying. Applied Surface Science, 2007, 254, 517-526.	6.1	103
11	Role of oxygen vacancy in tuning of optical, electrical and NO ₂ sensing properties of ZnO _{1-x} coatings at room temperature. Sensors and Actuators B: Chemical, 2017, 248, 886-893.	7.8	102
12	Effect of standoff distance on coating deposition characteristics in cold spraying. Materials & Design, 2008, 29, 297-304.	5.1	99
13	Room-temperature NO ₂ gas sensors based on rGO@ZnO _{1-x} composites: Experiments and molecular dynamics simulation. Sensors and Actuators B: Chemical, 2019, 282, 690-702.	7.8	97
14	Microstructure and wear behavior of FeCoNiCrMn high entropy alloy coating deposited by plasma spraying. Surface and Coatings Technology, 2020, 385, 125430.	4.8	97
15	Modeling Aspects of High Velocity Impact of Particles in Cold Spraying by Explicit Finite Element Analysis. Journal of Thermal Spray Technology, 2009, 18, 921-933.	3.1	92
16	Ti and Ti-6Al-4V Coatings by Cold Spraying and Microstructure Modification by Heat Treatment. Advanced Engineering Materials, 2007, 9, 418-423.	3.5	86
17	Effect of carbon content on microstructure, hardness and wear resistance of CoCrFeMnNiC _x high-entropy alloys. Journal of Alloys and Compounds, 2020, 847, 156533.	5.5	86
18	Significant influences of metal reactivity and oxide films at particle surfaces on coating microstructure in cold spraying. Applied Surface Science, 2007, 253, 3557-3562.	6.1	82

#	ARTICLE	IF	CITATIONS
19	Sensitive and rapid hydrogen sensors based on Pd/WO ₃ thick films with different morphologies. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2565-2577.	7.1	82
20	Effect of heat treatment on structure and property evolutions of atmospheric plasma sprayed NiCrBSi coatings. <i>Surface and Coatings Technology</i> , 2017, 325, 548-554.	4.8	80
21	Sensing mechanism of hydrogen sensors based on palladium-loaded tungsten oxide (Pd/WO ₃). <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 84-93.	7.8	78
22	Temperature dependence of the tribological mechanisms of amorphous PEEK (polyetheretherketone) under dry sliding conditions. <i>Acta Materialia</i> , 2008, 56, 2182-2190.	7.9	72
23	Effects of sliding velocity and applied load on the tribological mechanism of amorphous poly-ether-ether-ketone (PEEK). <i>Tribology International</i> , 2008, 41, 79-86.	5.9	72
24	Highly sensitive hydrogen sensors based on co-sputtered platinum-activated tungsten oxide films. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1107-1114.	7.1	71
25	Volatile organic compounds gas sensor based on quartz crystal microbalance for fruit freshness detection: A review. <i>Food Chemistry</i> , 2021, 334, 127615.	8.2	71
26	Room-temperature nitrogen-dioxide sensors based on ZnO ^{1-x} coatings deposited by solution precursor plasma spray. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 102-111.	7.8	65
27	Structures and tribological performances of PEEK (poly-ether-ether-ketone)-based coatings designed for tribological application. <i>Progress in Organic Coatings</i> , 2007, 60, 39-44.	3.9	63
28	Visible light enhanced black NiO sensors for ppb-level NO ₂ detection at room temperature. <i>Ceramics International</i> , 2019, 45, 4253-4261.	4.8	63
29	Electronic nose for volatile organic compounds analysis in rice aging. <i>Trends in Food Science and Technology</i> , 2021, 109, 83-93.	15.1	62
30	Characterizations of cold-sprayed Nickel-Alumina composite coating with relatively large Nickel-coated Alumina powder. <i>Surface and Coatings Technology</i> , 2008, 202, 4855-4860.	4.8	61
31	Molecularly imprinted electropolymerization on a metal-coated optical fiber for gas sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1145-1151.	7.8	61
32	Wear mechanism of Cu-based brake pad for high-speed train braking at speed of 380 km/h. <i>Tribology International</i> , 2020, 150, 106357.	5.9	60
33	Cadmium sulfide activated zinc oxide coatings deposited by liquid plasma spray for room temperature nitrogen dioxide detection under visible light illumination. <i>Ceramics International</i> , 2016, 42, 4845-4852.	4.8	57
34	Room temperature nitrogen dioxide sensors based on N719-dye sensitized amorphous zinc oxide sensors performed under visible-light illumination. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 69-77.	7.8	56
35	Low concentration isopropanol gas sensing properties of Ag nanoparticles decorated In ₂ O ₃ hollow spheres. <i>Journal of Advanced Ceramics</i> , 2022, 11, 379-391.	17.4	56
36	Stability of Metal Oxide Semiconductor Gas Sensors: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 5470-5481.	4.7	56

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37	Deposition and microstructure characterization of atmospheric plasma-sprayed ZnO coatings for NO ₂ detection. <i>Applied Surface Science</i> , 2010, 256, 5905-5910.	6.1	54
38	Tribological behavior of copper-molybdenum disulfide composites. <i>Wear</i> , 2017, 384-385, 61-71.	3.1	54
39	Synthesis and acetone gas sensing properties of Ag activated hollow sphere structured ZnFe ₂ O ₄ . <i>Ceramics International</i> , 2018, 44, 20700-20707.	4.8	53
40	Microstructure and tribological properties of plasma sprayed FeCoNiCrSiAlx high entropy alloy coatings. <i>Wear</i> , 2020, 448-449, 203209.	3.1	53
41	H ₂ sensors based on WO ₃ thin films activated by platinum nanoparticles synthesized by electroless process. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2929-2935.	7.1	52
42	Investigation of the crystallinity of suspension plasma sprayed hydroxyapatite coatings. <i>Journal of the European Ceramic Society</i> , 2017, 37, 5017-5021.	5.7	51
43	Microstructure evolution and tribological performance of Cu-WS ₂ self-lubricating composites. <i>Wear</i> , 2018, 412-413, 109-119.	3.1	49
44	Microwave-assisted hydrothermal synthesis of copper oxide-based gas-sensitive nanostructures. <i>Rare Metals</i> , 2021, 40, 1477-1493.	7.1	48
45	Role of Mo on tribological properties of atmospheric plasma-sprayed Mo-NiCrBSi composite coatings under dry and oil-lubricated conditions. <i>Journal of Alloys and Compounds</i> , 2017, 727, 841-850.	5.5	47
46	Microstructural features and compressive properties of SLM Ti6Al4V lattice structures. <i>Surface and Coatings Technology</i> , 2020, 403, 126419.	4.8	47
47	Photon assisted room-temperature hydrogen sensors using PdO loaded WO ₃ nanohybrids. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6425-6434.	7.1	46
48	High-refractive-index transparent coatings enhance the optical fiber cladding modes refractometric sensitivity. <i>Optics Express</i> , 2013, 21, 29073.	3.4	45
49	Effect of Ball Milling of Feedstock Powder on Microstructure and Properties of TiN Particle-Reinforced Al Alloy-Based Composites Fabricated by Cold Spraying. <i>Journal of Thermal Spray Technology</i> , 2008, 17, 316-322.	3.1	42
50	Microstructure and sensing properties of CdS-ZnO _{1-x} coatings deposited by liquid plasma spray and treated with hydrogen peroxide solution for nitrogen dioxide detection at room temperature. <i>Journal of Alloys and Compounds</i> , 2016, 687, 286-293.	5.5	42
51	Study on gas permeation behaviour through atmospheric plasma-sprayed yttria stabilized zirconia coating. <i>Surface and Coatings Technology</i> , 2008, 202, 5055-5061.	4.8	41
52	Pt-activated TiO ₂ -MoS ₂ nanocomposites for H ₂ detection at low temperature. <i>Journal of Alloys and Compounds</i> , 2018, 747, 550-557.	5.5	41
53	Micro-nano structured functional coatings deposited by liquid plasma spraying. <i>Journal of Advanced Ceramics</i> , 2020, 9, 517-534.	17.4	39
54	A novel low-concentration isopropanol gas sensor based on Fe-doped ZnO nanoneedles and its gas sensing mechanism. <i>Journal of Materials Science</i> , 2021, 56, 3230-3245.	3.7	38

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55	Characterization of YSZ Solid Oxide Fuel Cells Electrolyte Deposited by Atmospheric Plasma Spraying and Low Pressure Plasma Spraying. <i>Journal of Thermal Spray Technology</i> , 2006, 15, 598-603.	3.1	37
56	Microstructure and mechanical properties of flame-sprayed PEEK coating remelted by laser process. <i>Progress in Organic Coatings</i> , 2009, 66, 248-253.	3.9	37
57	SO ₂ Gas Sensors based on WO ₃ Nanostructures with Different Morphologies. <i>Procedia Engineering</i> , 2012, 47, 1033-1036.	1.2	37
58	Comparative study on tribological mechanisms of polyimide composites when sliding against medium carbon steel and NiCrBSi. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 415-428.	9.4	36
59	Microstructure, wear and corrosion behaviors of plasma sprayed NiCrBSi-Zr coating. <i>Surface and Coatings Technology</i> , 2019, 360, 172-180.	4.8	36
60	Effects of laser shock processing on corrosion resistance of AISI 304 stainless steel in acid chloride solution. <i>Journal of Alloys and Compounds</i> , 2017, 723, 237-242.	5.5	34
61	Synthesis and NO ₂ sensing performances of CuO nanoparticles loaded In ₂ O ₃ hollow spheres. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155857.	5.5	33
62	Synthesis and NH ₃ /TMA sensing properties of CuFe ₂ O ₄ hollow microspheres at low working temperature. <i>Rare Metals</i> , 2021, 40, 1768-1777.	7.1	33
63	Effect of in-flight particle velocity on the performance of plasma-sprayed YSZ electrolyte coating for solid oxide fuel cells. <i>Surface and Coatings Technology</i> , 2008, 202, 2654-2660.	4.8	32
64	Microstructure and tribological properties of plasma sprayed Cu-15Ni-8Sn coatings. <i>Surface and Coatings Technology</i> , 2018, 337, 159-167.	4.8	32
65	Effect of heat treatment on microstructure and mechanical properties of cold sprayed Ti coatings with relatively large powder particles. <i>Journal of Coatings Technology Research</i> , 2009, 6, 401-406.	2.5	31
66	Friction of metal-matrix self-lubricating composites: Relationships among lubricant content, lubricating film coverage, and friction coefficient. <i>Friction</i> , 2020, 8, 517-530.	6.4	31
67	Modification of a derived antimicrobial peptide on steel surface for marine bacterial resistance. <i>Applied Surface Science</i> , 2020, 510, 145512.	6.1	31
68	Deposition characteristics of Al-12Si alloy coating fabricated by cold spraying with relatively large powder particles. <i>Applied Surface Science</i> , 2007, 253, 7124-7130.	6.1	30
69	Sensing properties of Pt/Pd activated tungsten oxide films grown by simultaneous radio-frequency sputtering to reducing gases. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 53-59.	7.8	30
70	Study of selectivity of NO ₂ sensors composed of WO ₃ and MnO ₂ thin films grown by radio frequency sputtering. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 914-922.	7.8	30
71	Microstructure and gas sensing properties of solution precursor plasma-sprayed zinc oxide coatings. <i>Materials Research Bulletin</i> , 2015, 63, 67-71.	5.2	30
72	Preparation of highly selective, sensitive and stable hydrogen sensors based on Pd-doped tungsten trioxide. <i>Procedia Engineering</i> , 2010, 5, 180-183.	1.2	29

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73	Deposition, nanostructure and phase composition of suspension plasma-sprayed hydroxyapatite coatings. <i>Ceramics International</i> , 2016, 42, 8684-8690.	4.8	29
74	Microstructure and Tribological Properties of Plasma-Sprayed CoCrFeNi-based High-Entropy Alloy Coatings Under Dry and Oil-Lubricated Sliding Conditions. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 926-936.	3.1	29
75	Visible light assisted nitrogen dioxide sensing using tungsten oxide-Graphene oxide nanocomposite sensors. <i>Materials Chemistry and Physics</i> , 2017, 191, 114-120.	4.0	28
76	Switching Brake Materials To Extremely Wear-Resistant Self-Lubrication Materials via Tuning Interface Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19173-19181.	8.0	28
77	Preparation and characterization of $Cu_xO_{1-y}@ZnO_{1-z}$ nanocomposites for enhanced room-temperature NO ₂ sensing applications. <i>Applied Surface Science</i> , 2017, 401, 248-255.	6.1	26
78	Effect of in-flight particle characteristics on the coating properties of atmospheric plasma-sprayed 8mol% Y ₂ O ₃ -ZrO ₂ electrolyte coating studying by artificial neural networks. <i>Surface and Coatings Technology</i> , 2009, 204, 463-469.	4.8	25
79	Solution precursor plasma-sprayed tungsten oxide coatings for nitrogen dioxide detection. <i>Ceramics International</i> , 2014, 40, 11427-11431.	4.8	25
80	Sliding electrical contact behavior of brass fiber brush against coin-silver and Au plating. <i>Wear</i> , 2016, 368-369, 461-469.	3.1	24
81	Synthesis and acetone sensing properties of ZnFe ₂ O ₄ /rGO gas sensors. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2516-2526.	2.8	24
82	Tungsten oxide coatings deposited by plasma spray using powder and solution precursor for detection of nitrogen dioxide gas. <i>Journal of Alloys and Compounds</i> , 2016, 668, 128-136.	5.5	22
83	Flexible NO ₂ gas sensors based on sheet-like hierarchical ZnO coatings deposited on polypropylene papers by suspension flame spraying. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 75, 280-286.	5.3	22
84	Effect of Spray Distance on Microstructure and Tribological Performance of Suspension Plasma-Sprayed Hydroxyapatite-Titania Composite Coatings. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 1255-1263.	3.1	21
85	A detailed analysis on the microstructure and compressive properties of selective laser melted Ti6Al4V lattice structures. <i>Materials and Design</i> , 2021, 198, 109292.	7.0	21
86	Magnetron sputtered tungsten oxide films activated by dip-coated platinum for ppm-level hydrogen detection. <i>Thin Solid Films</i> , 2012, 520, 3679-3683.	1.8	20
87	Effects of temperature and atmosphere on microstructure and tribological properties of plasma sprayed FeCrBSi coatings. <i>Journal of Alloys and Compounds</i> , 2018, 753, 586-594.	5.5	20
88	Synthesis and acetone sensing properties of copper (Cu ²⁺) substituted zinc ferrite hollow micro-nanospheres. <i>Ceramics International</i> , 2020, 46, 28835-28843.	4.8	20
89	Antibacterial properties of Magainin II peptide onto 304 stainless steel surfaces: A comparison study of two dopamine modification methods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111198.	5.0	20
90	Room-temperature gas sensors based on titanium dioxide quantum dots for highly sensitive and selective H ₂ S detection. <i>Applied Surface Science</i> , 2022, 585, 152744.	6.1	20

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91	Effect of Mo on tribological behaviors of atmospheric plasma sprayed Al ₂ O ₃ -13%TiO ₂ /Mo coatings under boundary lubrication condition. <i>Ceramics International</i> , 2020, 46, 15066-15075.	4.8	19
92	Role of SiC nanoparticles on tribological properties of atmospheric plasma sprayed 5Åwt% SiC@Ni ₆ O coatings. <i>Tribology International</i> , 2020, 146, 106220.	5.9	19
93	Preparation of ZnO _{1-x} by peroxide thermal decomposition and its room temperature gas sensing properties. <i>Rare Metals</i> , 2022, 41, 871-876.	7.1	19
94	Light assisted room-temperature NO ₂ sensors with enhanced performance based on black SnO _{1-1/2} @ZnO _{1-1/2} @SnO _{2-1/3} nanocomposite coatings deposited by solution precursor plasma spray. <i>Ceramics International</i> , 2017, 43, 5990-5998.	4.8	18
95	Suspension Plasma-Sprayed ZnFe ₂ O ₄ Nanostructured Coatings for ppm-Level Acetone Detection. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 728-734.	3.1	18
96	Research advance in gas detection of volatile organic compounds released in rice quality deterioration process. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 5802-5828.	11.7	18
97	Characterization of atmospheric plasma-sprayed Sc ₂ O ₃ @ZrO ₂ electrolyte coating. <i>Solid State Ionics</i> , 2006, 177, 2149-2153.	2.7	17
98	Hydrothermal Synthesis of Two Dimensional WO ₃ Nanostructures for NO ₂ Detection in the ppb-level. <i>Procedia Engineering</i> , 2012, 47, 228-231.	1.2	17
99	Improvement of sensing characteristics of radio-frequency sputtered tungsten oxide films through surface modification by laser irradiation. <i>Materials Chemistry and Physics</i> , 2012, 133, 588-591.	4.0	17
100	A spherical surface coating thickness model for a robotized thermal spray system. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019, 59, 297-304.	9.9	17
101	Highly sensitive ZnO nanoparticles-loaded In ₂ O ₃ hollow microsphere for detecting ppb-level NO ₂ at low working temperature. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 469-476.	4.4	17
102	Facile synthesis and ppb-level H ₂ S sensing performance of hierarchical CuO microflowers assembled with nano-spindles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7937-7945.	2.2	16
103	Cavitation-corrosion behaviors of HVOF sprayed WC-25WB-10Co-5NiCr and MoB-25NiCr coatings. <i>Ceramics International</i> , 2020, 46, 21707-21718.	4.8	15
104	Role of ruthenium incorporation on room-temperature nonanal sensing properties of Ru-loaded urchin-like W ₁₈ O ₄₉ hierarchical nanostructure. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131096.	7.8	15
105	Effect of vacuum heat treatment on tensile strength and fracture performance of cold-sprayed Cu-4Cr-2Nb coatings. <i>Applied Surface Science</i> , 2011, 257, 5972-5976.	6.1	14
106	Microwave sintering of plasma-sprayed yttria stabilized zirconia electrolyte coating. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2529-2538.	5.7	13
107	Effect of Heat Treatment on the Cavitation Erosion Performance of WC@12Co Coatings. <i>Coatings</i> , 2019, 9, 690.	2.6	13
108	ZnO _{1-x} coatings deposited by atmospheric plasma spraying for room temperature ppb-level NO ₂ detection. <i>Applied Surface Science</i> , 2020, 528, 147041.	6.1	13

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109	Investigation on microstructure and nonanal sensing properties of hierarchical Sb ₂ WO ₆ microspheres. <i>Ceramics International</i> , 2022, 48, 30249-30259.	4.8	12
110	Microstructure and Electrical Conductivity of Atmospheric Plasma-Sprayed LSM/YSZ Composite Cathode Materials. <i>Journal of Thermal Spray Technology</i> , 2007, 16, 1005-1010.	3.1	11
111	Visible Light Activated Tungsten Oxide Sensors for NO ₂ Detection at Room Temperature. <i>Procedia Engineering</i> , 2012, 47, 116-119.	1.2	11
112	Wear behaviors of 5 wt % SiO ₂ /Ni ₆₀ coatings deposited by atmospheric plasma spraying under dry and water-lubrication sliding conditions. <i>Wear</i> , 2021, 470-471, 203621.	3.1	11
113	Room temperature WO ₃ -Bi ₂ WO ₆ sensors based on hierarchical microflowers for ppb-level H ₂ S detection. <i>Chemical Engineering Journal</i> , 2022, 430, 132813.	12.7	11
114	Deposition of Nanostructured Fluorine-Doped Hydroxyapatite Coating from Aqueous Dispersion by Suspension Plasma Spray. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2899-2904.	3.8	9
115	Ultrasensitive Gas Refractometer Using Capillary-Based Mach-Zehnder Interferometer. <i>Sensors</i> , 2020, 20, 1191.	3.8	9
116	Hydrogen sensors based on Pd-doped WO ₃ nanostructures and the morphology investigation for their sensing performances optimization. <i>Procedia Engineering</i> , 2011, 25, 264-267.	1.2	8
117	Acetaldehyde Chemical Sensor based on Molecularly Imprinted Polypyrrole. <i>Procedia Engineering</i> , 2016, 168, 569-573.	1.2	8
118	Effect of Pre-oxidation on High-Temperature Chlorine-induced Corrosion Properties of Air Plasma-Sprayed Ni-5%Al Coatings. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1927-1939.	3.1	8
119	Modeling of Thickness and Profile Uniformity of Thermally Sprayed Coatings Deposited on Cylinders. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 288-295.	3.1	7
120	Solution precursor plasma sprayed tungsten oxide particles and coatings. <i>Materials and Manufacturing Processes</i> , 2018, 33, 1107-1114.	4.7	7
121	Recent Development of Corrosion Factors and Coating Applications in Biomass Firing Plants. <i>Coatings</i> , 2020, 10, 1001.	2.6	7
122	Influence of water vapor on the chlorine-induced high-temperature corrosion behavior of nickel aluminide coatings. <i>Corrosion Science</i> , 2021, 190, 109689.	6.6	6
123	Room temperature NO ₂ sensing properties of ZnO _{1-x} coating prepared by hydrogen reduction method. <i>Ceramics International</i> , 2021, 47, 29873-29880.	4.8	6
124	Combining topography and peptide to inhibit algae attachment: Preparation of peptide-modified microstructured surfaces. <i>Surface and Interface Analysis</i> , 2021, 53, 973-981.	1.8	5
125	One-step synthesis of Cu/N co-doped TiO ₂ nanocomposites with enhanced photocatalytic activities under visible light irradiation. <i>Micro and Nano Letters</i> , 2021, 16, 573-581.	1.3	5
126	Palladium nanoparticle deposition via precipitation: a new method to functionalize macroporous silicon. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 065002.	6.1	4

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127	Preparation and photocatalytic performance of TiO ₂ -RGO-CuO/Fe ₂ O ₃ ternary composite photocatalyst by solvothermal method. Materials Research Express, 2021, 8, 015025.	1.6	4
128	Effects of Co addition on microstructure and cavitation erosion resistance of plasma sprayed TiNi based coating. Surface and Coatings Technology, 2021, 409, 126838.	4.8	4
129	Deposition of hollow sphere In ₂ O ₃ coatings by liquid flame spray. Surface Engineering, 2020, 36, 1121-1127.	2.2	3
130	Facile synthesis of bismuth ferrite nanoparticles for ppm-level isopropanol gas sensor. Journal of Materials Science: Materials in Electronics, 2022, 33, 18507-18521.	2.2	3
131	In-situ TiC-Graphite-Ni hybrid composites innovatively fabricated by pressureless reactive infiltration method. Journal of Alloys and Compounds, 2018, 757, 273-278.	5.5	2
132	SLURRY EROSION BEHAVIOR OF HVOF SPRAYED WC-12Co AND Cr3C2-25NiCr COATINGS DEPOSITED ON 16Cr5Ni STAINLESS STEEL. Surface Review and Letters, 2020, 27, 1950193.	1.1	2
133	Structure and Photocatalytic Properties of TiO ₂ Coated Multi-Walled Carbon Nanotubes Prepared by Solvothermal Method. ECS Journal of Solid State Science and Technology, 2020, 9, 063001.	1.8	2
134	Using co-sputtered platinum or palladium activated tungsten oxide films to detect reducing gases. Procedia Engineering, 2011, 25, 823-826.	1.2	1
135	N719-dye sensitized amorphous zinc oxide films for NO ₂ detection under visible-light illumination. , 2013, , .		1
136	Cavitation Erosion Resistance of TiNi-Based Composite Coating Deposited by APS. Journal of Thermal Spray Technology, 2021, 30, 937-945.	3.1	1
137	Synthesis of Lanthanum Silicates Electrolyte for Intermediate Temperature SOFC. ECS Transactions, 2007, 7, 2351-2355.	0.5	0
138	Improvement in selectivity of NO ₂ sensors based on WO ₃ thin films with MnO ₂ filters deposited by radio frequency sputtering. , 2011, , .		0
139	Microstructure and Wear Behavior of SiC_P-Reinforced Magnesium Matrix Composite by Cold Spraying. Advanced Materials Research, 0, 314-316, 253-258.	0.3	0
140	Polarization dependency in metal oxide coated tilted FBG refractometers. Proceedings of SPIE, 2012, , .	0.8	0
141	Thickness influence on the polarization dependency of tilted fiber Bragg gratings coated by zinc oxide thin films. , 2012, , .		0
142	Structure and Photocatalytic Properties of In(OH)₃/InOOH Natural Heterojunction Nanocrystals Prepared by Hydrothermal Synthesis. Journal of Chemical Engineering of Japan, 2021, 54, 93-102.	0.6	0