

# Reza Shoja Razavi

## List of Publications by Year in descending order

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148  
papers

4,980  
citations

66343

42  
h-index

128289

60  
g-index

150  
all docs

150  
docs citations

150  
times ranked

3474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of thermal shock resistances of plasma-sprayed nanostructured and conventional yttria stabilized zirconia thermal barrier coatings. <i>Ceramics International</i> , 2012, 38, 6705-6712.	4.8	149
2	Experimental and numerical investigation of temperature distribution and melt pool geometry during pulsed laser welding of Ti6Al4V alloy. <i>Optics and Laser Technology</i> , 2014, 59, 52-59.	4.6	126
3	Evaluation of hot corrosion behavior of plasma sprayed ceria and yttria stabilized zirconia thermal barrier coatings in the presence of Na <sub>2</sub> SO <sub>4</sub> +V <sub>2</sub> O <sub>5</sub> molten salt. <i>Ceramics International</i> , 2012, 38, 6613-6620.	4.8	114
4	Comparison of microstructure and mechanical properties of plasma-sprayed nanostructured and conventional yttria stabilized zirconia thermal barrier coatings. <i>Ceramics International</i> , 2013, 39, 8805-8813.	4.8	111
5	Cation distribution and magnetic analysis of wideband microwave absorptive Co <sub>x</sub> Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> ferrites. <i>Ceramics International</i> , 2017, 43, 6987-6995.	4.8	104
6	An empirical-statistical model for laser cladding of WC-12Co powder on AISI 321 stainless steel. <i>Optics and Laser Technology</i> , 2017, 97, 180-186.	4.6	99
7	An empirical-statistical model for coaxial laser cladding of NiCrAlY powder on Inconel 738 superalloy. <i>Optics and Laser Technology</i> , 2016, 86, 136-144.	4.6	97
8	The role of pH on the particle size and magnetic consequence of cobalt ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 396, 288-294.	2.3	93
9	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. <i>Journal of the European Ceramic Society</i> , 2015, 35, 693-702.	5.7	92
10	Life time of new SYSZ thermal barrier coatings produced by plasma spraying method under thermal shock test and high temperature treatment. <i>Ceramics International</i> , 2014, 40, 1405-1414.	4.8	87
11	Comparison of hot corrosion behaviors of plasma-sprayed nanostructured and conventional YSZ thermal barrier coatings exposure to molten vanadium pentoxide and sodium sulfate. <i>Journal of the European Ceramic Society</i> , 2014, 34, 485-492.	5.7	82
12	Improving the thermal shock resistance of plasma sprayed CYSZ thermal barrier coatings by laser surface modification. <i>Optics and Lasers in Engineering</i> , 2012, 50, 780-786.	3.8	81
13	Fabrication and Evaluation of Plasma-Sprayed Nanostructured and Conventional YSZ Thermal Barrier Coatings. <i>Current Nanoscience</i> , 2012, 8, 402-409.	1.2	77
14	An empirical-statistical model for laser cladding of Ti-6Al-4V powder on Ti-6Al-4V substrate. <i>Optics and Laser Technology</i> , 2018, 100, 265-271.	4.6	75
15	The influence of laser treatment on thermal shock resistance of plasma-sprayed nanostructured yttria stabilized zirconia thermal barrier coatings. <i>Ceramics International</i> , 2014, 40, 347-355.	4.8	72
16	Magnetic properties of hard-soft SrFe <sub>10</sub> Al <sub>2</sub> O <sub>19</sub> /Co <sub>0.8</sub> Ni <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite synthesized by one-pot sol-gel auto-combustion. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 408-416.	2.3	70
17	Nd:YAG laser cladding of Co-Cr-Mo alloy on <sup>3</sup> Ti-Al substrate. <i>Optics and Laser Technology</i> , 2016, 80, 145-152.	4.6	70
18	The influence of laser treatment on hot corrosion behavior of plasma-sprayed nanostructured yttria stabilized zirconia thermal barrier coatings. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2013-2021.	5.7	69

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19	Pulsed laser-assisted machining of Inconel 718 superalloy. <i>Optics and Laser Technology</i> , 2017, 87, 72-78.	4.6	69
20	Comparison of hot corrosion behavior of nanostructured ScYSZ and YSZ thermal barrier coatings. <i>Ceramics International</i> , 2016, 42, 7432-7439.	4.8	68
21	Microstructure investigation of Inconel 625 coating obtained by laser cladding and TIG cladding methods. <i>Surface and Coatings Technology</i> , 2018, 353, 25-31.	4.8	68
22	Different morphologies of ZnO nanostructures via polymeric complex sol-gel method: synthesis and characterization. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 193-199.	2.4	67
23	Comparative studies on synthesis of nanocrystalline Sc <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> doped zirconia (SYDZ) and YSZ solid solution via modified and classic Pechini method. <i>CrystEngComm</i> , 2013, 15, 5898.	2.6	67
24	Rietveld structure refinement, cations distribution and magnetic features of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by co-precipitation, hydrothermal, and combustion methods. <i>Ceramics International</i> , 2016, 42, 6375-6382.	4.8	66
25	Improving the hot corrosion resistance of plasma sprayed ceria-yttria stabilized zirconia thermal barrier coatings by laser surface treatment. <i>Materials &amp; Design</i> , 2014, 57, 336-341.	5.1	65
26	Laser surface modification of plasma sprayed CYSZ thermal barrier coatings. <i>Ceramics International</i> , 2013, 39, 2473-2480.	4.8	64
27	Laser glazing of plasma-sprayed nanostructured yttria stabilized zirconia thermal barrier coatings. <i>Ceramics International</i> , 2013, 39, 9483-9490.	4.8	63
28	Evaluation of shape and size effects on optical properties of ZnO pigment. <i>Applied Surface Science</i> , 2013, 270, 33-38.	6.1	61
29	Hydrothermal synthesis of ZnO nanopigments with high UV absorption and vis/NIR reflectance. <i>Ceramics International</i> , 2014, 40, 11261-11268.	4.8	60
30	Kinetics and oxidation behavior of laser clad WC-Co and Ni/WC-Co coatings. <i>Ceramics International</i> , 2018, 44, 12805-12814.	4.8	60
31	Prediction of solidification cracking by an empirical-statistical analysis for laser cladding of Inconel 718 powder on a non-weldable substrate. <i>Optics and Laser Technology</i> , 2020, 128, 106244.	4.6	60
32	Synthesis and characterization of Y <sub>2</sub> O <sub>3</sub> nanoparticles by sol-gel process for transparent ceramics applications. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 682-691.	2.4	59
33	Friction and wear behavior of laser clad WC-Co and Ni/WC-Co deposits at high temperature. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 81, 137-148.	3.8	58
34	Corrosion behaviour of laser gas nitrided Ti-6Al-4V in HCl solution. <i>Corrosion Science</i> , 2009, 51, 2324-2329.	6.6	52
35	Characterization and optical property of ZnO nano-, submicro- and microrods synthesized by hydrothermal method on a large-scale. <i>Superlattices and Microstructures</i> , 2012, 52, 704-710.	3.1	52
36	Evaluation of solidification and microstructure in laser cladding Inconel 718 superalloy. <i>Optics and Laser Technology</i> , 2019, 120, 105761.	4.6	52

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37	Evaluation of the hot corrosion behavior of Inconel 625 coatings on the Inconel 738 substrate by laser and TIG cladding techniques. <i>Optics and Laser Technology</i> , 2019, 111, 744-753.	4.6	52
38	Hydrothermal synthesis and optical property of scale- and spindle-like ZnO. <i>Ceramics International</i> , 2013, 39, 813-818.	4.8	49
39	Synthesis and Characterizations of Copper Oxide Nanoparticles Within Zeolite Y. <i>Journal of Cluster Science</i> , 2012, 23, 1097-1106.	3.3	48
40	Na <sub>2</sub> SO <sub>4</sub> and V <sub>2</sub> O <sub>5</sub> molten salts corrosion resistance of plasma-sprayed nanostructured ceria and yttria co-stabilized zirconia thermal barrier coatings. <i>Ceramics International</i> , 2016, 42, 5433-5446.	4.8	47
41	High-temperature oxidation behavior of laser-aided additively manufactured NiCrAlY coating. <i>Corrosion Science</i> , 2017, 118, 168-177.	6.6	47
42	Laser surface alloying of an electroless Ni-P coating with Al-356 substrate. <i>Optics and Lasers in Engineering</i> , 2008, 46, 550-557.	3.8	44
43	Spray drying of nanometric SYSZ powders to obtain plasma sprayable nanostructured granules. <i>Ceramics International</i> , 2013, 39, 9447-9457.	4.8	44
44	Template synthesis of zinc oxide nanoparticles entrapped in the zeolite Y matrix and applying them for thermal control paint. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 547-553.	4.0	43
45	Mechanical and optical properties of spark plasma sintered transparent Y <sub>2</sub> O <sub>3</sub> ceramics. <i>Ceramics International</i> , 2016, 42, 17081-17088.	4.8	41
46	Large Scale Synthesis of Zinc Oxide Nano- and Submicro-Structures by Pechinis Method: Effect of Ethylene glycol/Citric Acid Mole Ratio on Structural and Optical Properties. <i>Current Nanoscience</i> , 2011, 7, 807-812.	1.2	40
47	Effect of microstructure and phase of nanostructured YSZ thermal barrier coatings on its thermal shock behaviour. <i>Surface Engineering</i> , 2015, 31, 64-73.	2.2	40
48	Laser Surface Treatment of Stellite 6 Coating Deposited by HVOF on 316L Alloy. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2583-2595.	2.5	40
49	Laser cladding of Inconel 718 powder on a non-weldable substrate: Clad bead geometry-solidification cracking relationship. <i>Journal of Manufacturing Processes</i> , 2020, 56, 54-62.	5.9	39
50	Effect of sintering temperature on microstructural and optical properties of transparent yttria ceramics fabricated by spark plasma sintering. <i>Ceramics International</i> , 2016, 42, 7819-7823.	4.8	38
51	Influence of using electroless Ni-P coated WC-Co powder on laser cladding of stainless steel. <i>Surface and Coatings Technology</i> , 2018, 348, 41-54.	4.8	38
52	Effect of scandia content on the thermal shock behavior of SYSZ thermal sprayed barrier coatings. <i>Ceramics International</i> , 2016, 42, 11118-11125.	4.8	37
53	Improvement of spacecraft white thermal control coatings using the new synthesized Zn-MCM-41 pigment. <i>Dyes and Pigments</i> , 2013, 96, 403-406.	3.7	36
54	An experimental investigation of pulsed laser-assisted machining of AISI 52100 steel. <i>Optics and Laser Technology</i> , 2014, 63, 137-143.	4.6	35

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55	Preparation of nanostructured YSZ granules by the spray drying method. <i>Ceramics International</i> , 2014, 40, 3721-3729.	4.8	34
56	Structural and Magnetic Properties of High Coercive Al-Substituted Strontium Hexaferrite Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1627-1640.	1.8	34
57	Corrosion study of laser clad Ti-6Al-4V alloy in different corrosive environments. <i>Engineering Failure Analysis</i> , 2019, 97, 234-241.	4.0	34
58	Optimization and characterization of laser cladding of NiCr and NiCrâ€TiC composite coatings on AISI 420 stainless steel. <i>Ceramics International</i> , 2021, 47, 4097-4110.	4.8	34
59	Synthesis and characterization of non-transformable tetragonal YSZ nanopowder by means of Pechini method for thermal barrier coatings (TBCs) applications. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 70, 6-13.	2.4	33
60	Hot corrosion behavior of Al <sub>2</sub> O <sub>3</sub> laser clad plasma sprayed YSZ thermal barrier coatings. <i>Ceramics International</i> , 2016, 42, 17698-17705.	4.8	32
61	Cation distribution and microwave absorptive behavior of gadolinium substituted cobalt ferrite ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 706, 133-146.	5.5	30
62	Synthesis and characterization of ceriaâ€yttria co-stabilized zirconia (CYSZ) nanoparticles by solâ€gel process for thermal barrier coatings (TBCs) applications. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 603-612.	2.4	29
63	Evaluation of oxidation behavior of laser clad CoWSiâ€WSi <sub>2</sub> coating on pure Ni substrate at different temperatures. <i>Ceramics International</i> , 2015, 41, 9715-9721.	4.8	28
64	Evaluation of hot corrosion behavior of plasma sprayed and laser glazed YSZâ€Al <sub>2</sub> O <sub>3</sub> thermal barrier composite. <i>Optics and Laser Technology</i> , 2019, 111, 687-695.	4.6	28
65	Thermal stability and sintering behavior of plasma sprayed nanostructured 7YSZ, 15YSZ and 5.5SYSZ coatings at elevated temperatures. <i>Ceramics International</i> , 2016, 42, 14374-14383.	4.8	27
66	Controlled growth of large-area arrays of gadolinium-substituted cobalt ferrite nanorods by hydrothermal processing without use of any template. <i>Ceramics International</i> , 2016, 42, 17420-17428.	4.8	26
67	Corrosion behaviour of laser gas-nitrided Tiâ€6Alâ€4V alloy in nitric acid solution. <i>Journal of Materials Processing Technology</i> , 2008, 203, 315-320.	6.3	25
68	Solâ€gel processing of hybrid nanocomposite protective coatings using experimental design. <i>Progress in Organic Coatings</i> , 2013, 76, 293-301.	3.9	25
69	Optimizing solâ€gel synthesis of magnesia-stabilized zirconia (MSZ) nanoparticles using Taguchi robust design for thermal barrier coatings (TBCs) applications. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 227-241.	2.4	25
70	Synthesis of MgO-Y <sub>2</sub> O <sub>3</sub> composite nanopowder with a high specific surface area by the Pechini method. <i>Ceramics International</i> , 2017, 43, 345-354.	4.8	25
71	Evaluation of the mechanical properties of WC-FeAl composite coating fabricated by laser cladding method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 88, 105199.	3.8	25
72	Large scale synthesis of non-transformable tetragonal Sc <sub>2</sub> O <sub>3</sub> , Y <sub>2</sub> O <sub>3</sub> doped ZrO <sub>2</sub> nanopowders via the citric acid based gel method to obtain plasma sprayed coating. <i>Ceramics International</i> , 2013, 39, 7817-7829.	4.8	24

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73	Mechanical property evaluation of corrosion protection sol-gel nanocomposite coatings. <i>Surface Engineering</i> , 2013, 29, 249-254.	2.2	24
74	Empirical-Statistical Modeling and Prediction of Geometric Characteristics for Laser-Aided Direct Metal Deposition of Inconel 718 Superalloy. <i>Metals and Materials International</i> , 2020, 26, 668-681.	3.4	24
75	Laser surface treatment of electroless Ni-P coatings on Al356 alloy. <i>Journal of Materials Processing Technology</i> , 2008, 195, 154-159.	6.3	23
76	Optimization of Morphology and Particle Size of Modified Sol Gel Synthesized YSZ Nanopowder Using Taguchi Method. <i>Journal of Nano Research</i> , 0, 21, 65-70.	0.8	23
77	Optimization of process factors for the synthesis of advanced chrome-free nanocomposite sol-gel coatings for corrosion protection of marine aluminum alloy AA5083 by design of experiment. <i>Progress in Organic Coatings</i> , 2013, 76, 307-317.	3.9	23
78	Evaluation of the mechanical properties of WC-Ni composite coating on an AISI 321 steel substrate. <i>Optics and Laser Technology</i> , 2020, 127, 106138.	4.6	23
79	Effect of Laser Gas Nitriding on the Microstructure and Corrosion Properties of Ti-6Al-4V Alloy. <i>ISIJ International</i> , 2007, 47, 709-714.	1.4	22
80	Synthesis of Scandia, Yttria Stabilized Zirconia (SYSZ) Nanoparticles by New Wet Chemistry Method. <i>Current Nanoscience</i> , 2012, 8, 767-775.	1.2	22
81	Synthesis and characterization of cobalt oxide nanocomposite based on the Co <sub>3</sub> O <sub>4</sub> -zeolite Y. <i>Superlattices and Microstructures</i> , 2014, 66, 85-95.	3.1	22
82	Spark plasma sintering of transparent Y <sub>2</sub> O <sub>3</sub> ceramic using hydrothermal synthesized nanopowders. <i>Ceramics International</i> , 2016, 42, 14403-14410.	4.8	22
83	Laser beam welding of Waspaloy: Characterization and corrosion behavior evaluation. <i>Optics and Laser Technology</i> , 2016, 82, 113-120.	4.6	22
84	Preparation of yttria nanopowders for use in transparent ceramics by dry ball-milling technique. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2169-2177.	5.7	22
85	Structural and Magnetic Consequences of Mn <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> x Gd x O <sub>4</sub> Ferrite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1617-1625.	1.8	21
86	Synthesis, characterization and optical properties of Zr <sup>4+</sup> /La <sup>3+</sup> /Nd <sup>3+</sup> tri-doped yttria nanopowder by sol-gel combustion method. <i>Ceramics International</i> , 2016, 42, 10551-10558.	4.8	21
87	Large-scale synthesis of YSZ nanopowder by Pechini method. <i>Bulletin of Materials Science</i> , 2014, 37, 969-973.	1.7	20
88	Synthesis and the Surface Resistivity of Carbon Black Pigment on Black Silicone Thermal Control Coating. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 502-506.	0.6	20
89	A review of the corrosion of laser nitrided Ti-6Al-4V. <i>Anti-Corrosion Methods and Materials</i> , 2011, 58, 140-154.	1.5	19
90	A New Approach of Improving Rain Erosion Resistance of Nanocomposite Sol-Gel Coatings by Optimization Process Factors. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2522-2531.	2.2	19

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91	Spark plasma sintering of zirconia-doped yttria ceramic and evaluation of the microstructure and optical properties. <i>Ceramics International</i> , 2016, 42, 18931-18936.	4.8	19
92	Improving the Thermal Shock Resistance of Thermal Barrier Coatings Through Formation of an In Situ YSZ/Al <sub>2</sub> O <sub>3</sub> Composite via Laser Cladding. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1890-1899.	2.5	19
93	Processing and Properties of GPTMS-TEOS Hybrid Coatings on 5083 Aluminium Alloy. <i>Advanced Materials Research</i> , 0, 239-242, 736-742.	0.3	18
94	Development of MgO-Y <sub>2</sub> O <sub>3</sub> Composite Nanopowder by Pechini Sol-Gel Method: Effect of Synthesis Parameters on Morphology, Particle Size, and Phase Distribution. <i>Journal of Cluster Science</i> , 2017, 28, 1523-1539.	3.3	18
95	The role of shell thickness on the exchange spring mechanism of cobalt ferrite/iron cobalt magnetic nanocomposites. <i>Ceramics International</i> , 2017, 43, 617-624.	4.8	18
96	Plasma-sprayed nanostructured scandia-yttria and ceria-yttria codoped zirconia coatings: Microstructure, bonding strength and thermal insulation properties. <i>Ceramics International</i> , 2018, 44, 12042-12047.	4.8	18
97	Effect of molten V <sub>2</sub> O <sub>5</sub> salt on the corrosion behavior of micro- and nano-structured thermal sprayed SYSZ and YSZ coatings. <i>Ceramics International</i> , 2016, 42, 12825-12837.	4.8	17
98	Synthesis of Yttria Nanopowders by Two Precipitation Methods and Investigation of Synthesis Conditions. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 209-218.	2.1	16
99	Modification of Pechini sol-gel process for the synthesis of MgO-Y <sub>2</sub> O <sub>3</sub> composite nanopowder using sucrose-mediated technique. <i>Ceramics International</i> , 2017, 43, 2541-2548.	4.8	16
100	The effects of Cloisite 20A content on the adhesion strength and corrosion behavior of poly (amide-imide)/cloisite 20A nanocomposite coatings. <i>Composites Part B: Engineering</i> , 2019, 175, 107154.	12.0	16
101	The effect of laser surface treatment on the thermal shock behavior of plasma sprayed Al <sub>2</sub> O <sub>3</sub> /YSZ multilayer thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2019, 366, 62-69.	4.8	16
102	The effects of organoclay on the morphology and mechanical properties of PAI/clay nanocomposites coatings prepared by the ultrasonication assisted process. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 306-316.	8.2	15
103	The Effects of organoclay on the morphology, thermal stability, transparence and hydrophobicity properties of polyamide-imide/nanoclay nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2017, 112, 162-168.	3.9	15
104	Investigation of Thermal Shock Behavior of Plasma-Sprayed NiCoCrAlY/YSZ Thermal Barrier Coatings. <i>Advanced Materials Research</i> , 0, 472-475, 246-250.	0.3	13
105	Laser cladding of CoWSi/WSi <sub>2</sub> on Ni substrate and evaluation of its high temperature oxidation behavior. <i>Ceramics International</i> , 2014, 40, 13447-13452.	4.8	13
106	A novel approach for enhancement of coercivity in magnetic cobalt ferrite nanocrystal without applying post annealing. <i>Ceramics International</i> , 2016, 42, 17357-17365.	4.8	13
107	Wear Behavior of Laser-Cladded Co-Cr-Mo Coating on $\beta$ -TiAl Substrate. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 3226-3238.	2.5	13
108	Optimization of wear resistance of PU/TiO <sub>2</sub> coatings on aluminum surfaces. <i>Progress in Organic Coatings</i> , 2011, 72, 486-491.	3.9	12

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109	Wear behavior of polyurethane/carbon black coatings on 6061 aluminum alloy substrates. Progress in Organic Coatings, 2016, 97, 37-43.	3.9	12
110	Dissimilar laser cladding of Inconel 718 powder on A-286 substrate: Microstructural evolution. Journal of Laser Applications, 2020, 32, .	1.7	12
111	Laser surface heat treatment of electroless Niâ€‘Pâ€‘SiC coating on Al356 alloy. Optics and Laser Technology, 2016, 85, 1-6.	4.6	11
112	The Effect of Solution pH Value on the Morphology of Ceriaâ€‘Yttria Co Stabilized Zirconia Particles Prepared Using the Polymerizable Complex Method. Journal of Cluster Science, 2016, 27, 469-483.	3.3	11
113	Microstructural Characteristics and Magnetic Properties of Gadolinium-Substituted Cobalt Ferrite Nanocrystals Synthesized by Hydrothermal Processing. Journal of Cluster Science, 2016, 27, 1239-1251.	3.3	11
114	Comparison of Hot Corrosion Resistance of YSZ and CYSZ Thermal Barrier Coatings in Presence of Sulfate-Vanadate Molten Salts. Advanced Materials Research, 0, 472-475, 141-144.	0.3	10
115	Evaluation of two new white silicone thermal control paints under atomic oxygen. Progress in Organic Coatings, 2012, 74, 603-607.	3.9	10
116	Synthesis and Thermal Stability of Nontransformable Tetragonal (ZrO <sub>2</sub> ) <sub>0.96</sub> (REO <sub>1.5</sub> ) <sub>0.04</sub> (Re=Sc <sub>3</sub> , Y <sub>3</sub> ) Nanocrystals. Defect and Diffusion Forum, 0, 334-335, 60-64.	0.4	10
117	Analytical Prediction of the Temperature Field in Laser Assisted Machining. Procedia CIRP, 2016, 46, 575-578.	1.9	10
118	In-process determination of laser beam absorption coefficient for laser-assisted turning processes. International Journal of Advanced Manufacturing Technology, 2017, 92, 2929-2938.	3.0	10
119	High temperature oxidation behavior of laser clad Coâ€‘Crâ€‘Mo coating on Î³-TiAl substrate. Journal of Laser Applications, 2016, 28, .	1.7	9
120	Water-based polyamide imide â€‘ nanoclay coating: Preparation, characterization, thermal stability and visible transparency. Progress in Organic Coatings, 2016, 101, 502-509.	3.9	9
121	Development of novel exchange spring magnet by employing nanocomposites of CoFe <sub>2</sub> O <sub>4</sub> and CoFe <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2016, 419, 92-97.	2.3	9
122	Influence of gold nanolayer coating on the continuous-wave laser ablation of a pure aluminum surface: Evaluations of structural and optical features. Thin Solid Films, 2019, 672, 126-132.	1.8	9
123	Development of Magnesiaâ€‘Yttria nanocomposite powder by new non-alkoxide sol-gel method. Ceramics International, 2017, 43, 1217-1226.	4.8	8
124	Microstructural investigation of direct laser deposition of the Tiâ€‘6Alâ€‘4V alloy by different melt pool protection conditions. Journal of Materials Research and Technology, 2021, 13, 590-601.	5.8	8
125	Synthesis of porous magnetite Fe <sub>3</sub> O <sub>4</sub> and its application in thermal control coatings as new black pigment. Journal of Coatings Technology Research, 2015, 12, 1065-1071.	2.5	7
126	A new method for the fabrication of MgO-Y <sub>2</sub> O <sub>3</sub> composite nanopowder at low temperature based on bioorganic material. Ceramics International, 2018, 44, 2814-2821.	4.8	7



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127	Advance Techniques for the Synthesis of Nanostructured Zirconia-Based Ceramics for Thermal Barrier Application. , 2017, , 21-91.		6
128	Synthesis and Characterization of Yttria Nanopowders by Precipitation Method. Transactions of the Indian Ceramic Society, 2015, 74, 208-212.	1.0	5
129	Non-interacting Néel or interacting Vogel-Fulcher models in magnetic CoFe <sub>2</sub> GdO <sub>4</sub> nanocrystals. Journal of Magnetism and Magnetic Materials, 2016, 417, 11-20.	2.3	5
130	Study of crystallization behavior and kinetics of yttria-50 vol% magnesia composite nanopowders using a non-isothermal process. Journal of Sol-Gel Science and Technology, 2018, 85, 93-102.	2.4	5
131	Corrosion Behavior of Laser Nitrided Ti-6Al-4V Alloy: A Review. Defect and Diffusion Forum, 0, 312-315, 376-380.	0.4	4
132	Effect of Carbon Black Pigment on the Surface Resistivity of the Black Silicone Thermal Control Coating. Advanced Materials Research, 0, 472-475, 110-113.	0.3	4
133	Wear behavior of silicone rubber/carbon black coatings on 6061 aluminum alloy surfaces. Progress in Organic Coatings, 2013, 76, 277-285.	3.9	4
134	Analytical Solution of Transient Three-Dimensional Temperature Field in a Rotating Cylinder Subject to a Localized Laser Beam. Journal of Heat Transfer, 2017, 139, .	2.1	4
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