Parthasarathi Bera

List of Publications by Year
in descending order

129 papers	6,380 citations	71102 41 h-index	69250 77 g-index
134 all docs	134 docs citations	134 times ranked	7378 citing authors

#	Article	IF	Citations
1	Ionic Dispersion of Pt and Pd on CeO2 by Combustion Method: Effect of Metalâ€“Ceria Interaction on Catalytic Activities for NO Reduction and CO and Hydrocarbon Oxidation. Journal of Catalysis, 2000, 196, 293-301.	6.2	354
2	Formation of Ce1-xPdxO2-Î´Solid Solution in Combustion-Synthesized Pd/CeO2Catalyst:Â XRD, XPS, and EXAFS Investigation. Chemistry of Materials, 2002, 14, 2120-2128.	6.7	334
3	Ionic Dispersion of Pt over CeO2by the Combustion Method:Â Structural Investigation by XRD, TEM, XPS, and EXAFS. Chemistry of Materials, 2003, 15, 2049-2060.	6.7	309
4	Inverse CeO₂/CuO Catalyst As an Alternative to Classical Direct Configurations for Preferential Oxidation of CO in Hydrogen-Rich Stream. Journal of the American Chemical Society, 2010, 132, 34-35.	13.7	278
5	Promoting Effect of CeO2in Combustion Synthesized Pt/CeO2Catalyst for CO Oxidation. Journal of Physical Chemistry B, 2003, 107, 6122-6130.	2.6	273
6	Structural Investigation of Combustion Synthesized Cu/CeO2Catalysts by EXAFS and Other Physical Techniques:Â Formation of a Ce1-xCuxO2-Î´Solid Solution. Chemistry of Materials, 2002, 14, 3591-3601.	6.7	270
7	An XPS study on binary and ternary alloys of transition metals with platinized carbon and its bearing upon oxygen electroreduction in direct methanol fuel cells. Journal of Electroanalytical Chemistry, 2001, 504, 111-119.	3.8	249
8	XPS studies on the interaction of CeO2 with silicon in magnetron sputtered CeO2 thin films on Si and Si3N4 substrates. Applied Surface Science, 2013, 283, 297-303.	6.1	191
9	Bimetallic nanoparticles: A single step synthesis, stabilization, and characterization of Auâ€“Ag, Auâ€“Pd, and Auâ€“Pt in solâ€“gel derived silicates. Journal of Colloid and Interface Science, 2005, 290, 117-129.	9.4	177
10	Studies on Cu/CeO2: A New NO Reduction Catalyst. Journal of Catalysis, 1999, 186, 36-44.	6.2	159
11	Calorimetric Measurement of the Heat of Adsorption of Benzene on Pt(111)â€. Journal of Physical Chemistry B, 2004, 108, 14627-14633.	2.6	130
12	Fabrication of superhydrophobic and oleophobic solâ€“gel nanocomposite coating. Surface and Coatings Technology, 2012, 206, 3888-3894.	4.8	120
13	Redox-catalytic correlations in oxidised copper-ceria CO-PROX catalysts. Catalysis Today, 2009, 143, 211-217.	4.4	118
14	Comparative in Situ DRIFTS-MS Study of¹²CO- and¹³CO-TPR on CuO/CeO₂Catalyst. Journal of Physical Chemistry C, 2009, 113, 10689-10695.	3.1	102
15	CO-TPR-DRIFTS-MS in situ study of CuO/Ce1â^'xTbxO2â^'y (x=0, 0.2 and 0.5) catalysts: Support effects on redox properties and CO oxidation catalysis. Journal of Catalysis, 2009, 268, 367-375.	6.2	99
16	Characterization and Catalytic Properties of Combustion Synthesized Au/CeO2 Catalyst. Catalysis Letters, 2002, 79, 75-81.	2.6	98
17	Catalytic partial-oxidation of methane on a ceria-supported platinum catalyst for application in fuel cell electric vehicles. Applied Catalysis A: General, 2002, 225, 63-75.	4.3	94
18	Palladium Nanoparticles on Graphite Oxide: A Recyclable Catalyst for the Synthesis of Biaryl Cores. ACS Catalysis, 2013, 3, 2776-2789.	11.2	91

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19	Effect of the size of silica nanoparticles on wettability and surface chemistry of solâ€“gel superhydrophobic and oleophobic nanocomposite coatings. Applied Surface Science, 2014, 320, 780-786.	6.1	91
20	A solvothermal route to capped nanoparticles of Î³-Fe2O3 and CoFe2O4. Journal of Materials Chemistry, 2001, 11, 3215-3221.	6.7	87
21	NO reduction, CO and hydrocarbon oxidation over combustion synthesized Ag/CeO2 catalyst. Physical Chemistry Chemical Physics, 2000, 2, 3715-3719.	2.8	82
22	Improved electrochemical performance of Na_{0.67}MnO₂ through Ni and Mg substitution. Journal of Materials Chemistry A, 2015, 3, 20908-20912.	10.3	82
23	Noble metal ion substituted CeO2 catalysts: Electronic interaction between noble metal ions and CeO2 lattice. Catalysis Today, 2015, 253, 40-50.	4.4	79
24	Heat of Adsorption of Naphthalene on Pt(111) Measured by Adsorption Calorimetry. Journal of Physical Chemistry B, 2006, 110, 17539-17545.	2.6	73
25	Interactions of O2with Pd Nanoparticles on Î±-Al2O3(0001) at Low and High O2Pressures. Journal of Physical Chemistry B, 2006, 110, 24577-24584.	2.6	73
26	Thermal behaviour of hydroxides, hydroxysalts and hydrotalcites. Bulletin of Materials Science, 2000, 23, 141-145.	1.7	70
27	Promoting effect of CeO2 in a Cu/CeO2 catalyst: lowering of redox potentials of Cu species in the CeO2 matrix. Chemical Communications, 2001, , 927-928.	4.1	69
28	Characterization of Niâ€“Pd alloy as anode for methanol oxidative fuel cell. Materials Chemistry and Physics, 2003, 80, 656-661.	4.0	68
29	XPS study of sputtered alumina thin films. Ceramics International, 2014, 40, 11099-11107.	4.8	68
30	DRIFTS studies on CO and NO adsorption and NO+CO reaction over Pd2+-substituted CeO2 and Ce0.75Sn0.25O2 catalysts. Journal of Catalysis, 2013, 303, 117-129.	6.2	67
31	Low-Temperature CO Oxidation over Combustion Made Fe- and Cr-Doped Co₃O₄ Catalysts: Role of Dopantâ€™s Nature toward Achieving Superior Catalytic Activity and Stability. Journal of Physical Chemistry C, 2017, 121, 15256-15265.	3.1	67
32	A supported palladium nanocatalyst for copper free acyl Sonogashira reactions: One-pot multicomponent synthesis of N-containing heterocycles. Green Chemistry, 2011, 13, 3238.	9.0	64
33	Anchored palladium nanoparticles onto single walled carbon nanotubes: Efficient recyclable catalyst for N-containing heterocycles. RSC Advances, 2012, 2, 7523.	3.6	59
34	EIS and XPS studies on the self-healing properties of Ce-modified silica-alumina hybrid coatings: Evidence for Ce(III) migration. Surface and Coatings Technology, 2017, 309, 363-370.	4.8	58
35	Characterization of Active Sites/Entities and Redox/Catalytic Correlations in Copper-Ceria-Based Catalysts for Preferential Oxidation of CO in H2-Rich Streams. Catalysts, 2013, 3, 378-400.	3.5	56
36	Combustion synthesis of nanometal particles supported on Î±-Al2O3: CO oxidation and NO reduction catalysts. Journal of Materials Chemistry, 1999, 9, 1801-1806.	6.7	55

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37	Stable superhydrophobic coatings using PVDFâ€“MWCNT nanocomposite. Applied Surface Science, 2014, 301, 208-215.	6.1	55
38	Noble metal ions in CeO₂ and TiO₂: synthesis, structure and catalytic properties. RSC Advances, 2015, 5, 94949-94979.	3.6	52
39	XRD and XPS studies of room temperature spontaneous interfacial reaction of CeO₂ thin films on Si and Si₃N₄ substrates. RSC Advances, 2014, 4, 62935-62939.	3.6	50
40	Facile synthesis of CuCr2O4/CeO2 nanocomposite: A new Fenton like catalyst with domestic LED light assisted improved photocatalytic activity for the degradation of RhB, MB and MO dyes. Applied Surface Science, 2021, 536, 147604.	6.1	50
41	Characterization of amorphous Coâ€“P alloy coatings electrodeposited with pulse current using gluconate bath. Applied Surface Science, 2012, 258, 9544-9553.	6.1	42
42	Mitigating the Surface Degradation and Voltage Decay of Li_{1.2}Ni_{0.13}Mn_{0.54}Co_{0.13}O₂ Cathode Material through Surface Modification Using Li₂ZrO₃. ACS Omega, 2017, 2, 2308-2316.	3.5	41
43	Ultra-Low-Temperature CO Oxidation Activity of Octahedral Site Cobalt Species in Co₃O₄ Based Catalysts: Unravelling the Origin of the Unique Catalytic Property. Journal of Physical Chemistry C, 2019, 123, 19557-19571.	3.1	41
44	Investigation of surface composition of electrodeposited black chrome coatings by X-ray photoelectron spectroscopy. Applied Surface Science, 2002, 191, 254-260.	6.1	39
45	Low-Temperature Water Gas Shift Reaction on Combustion Synthesized Ce1-xPtxO2-ÂCatalyst. Catalysis Letters, 2004, 96, 213-219.	2.6	39
46	Enhanced microwave absorption properties of PMMA modified MnFe₂O₄â€“polyaniline nanocomposites. Physical Chemistry Chemical Physics, 2019, 21, 5068-5077.	2.8	37
47	Reaction of CH3OH on Pd/ZnO(0001) and PdZn/ZnO(0001) Model Catalysts. Journal of Physical Chemistry C, 2007, 111, 7049-7057.	3.1	36
48	Characterization of electrochemically deposited Cuâ€“Ni black coatings. Materials Research Bulletin, 2002, 37, 397-405.	5.2	35
49	Study of the structural, thermal, optical, electrical and nanomechanical properties of sputtered vanadium oxide smart thin films. RSC Advances, 2015, 5, 35737-35745.	3.6	35
50	Facile synthesis of CuCr2O4/BiOBr nanocomposite and its photocatalytic activity towards RhB and tetracycline hydrochloride degradation under household visible LED light irradiation. Journal of Alloys and Compounds, 2021, 867, 157947.	5.5	35
51	XRD, FESEM and XPS studies on heat treated Coâ€“W electrodeposits. Materials Letters, 2012, 76, 103-105.	2.6	34
52	Corrosion and Wear Behaviors of Cr-Doped Diamond-Like Carbon Coatings. Journal of Materials Engineering and Performance, 2017, 26, 3633-3647.	2.5	33
53	NO Reduction Over Noble Metal Ionic Catalysts. Catalysis Surveys From Asia, 2011, 15, 181-199.	2.6	32
54	Solution combustion synthesis, characterization, magnetic, and dielectric properties of CoFe₂O₄ and Co_{0.5}M_{0.5}Fe₂O₄ (M = Mn, Ni, and Zn). Physical Chemistry Chemical Physics, 2020, 22, 20087-20106.	2.8	30

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55	Ceria-Supported Platinum as Hydrogen-Oxygen Recombinant Catalyst for Sealed Lead-Acid Batteries. Electrochemical and Solid-State Letters, 2001, 4, A23.	2.2	29
56	Nanocolumnar Crystalline Vanadium Oxide-Molybdenum Oxide Antireflective Smart Thin Films with Superior Nanomechanical Properties. Scientific Reports, 2016, 6, 36811.	3.3	29
57	Characterization and corrosion behavior of Co and Coâ€“P coatings electrodeposited from chloride bath. RSC Advances, 2014, 4, 46293-46304.	3.6	28
58	Oxidation of CH4 and C3H8 over combustion synthesized nanosize metal particles supported on Î±-Al2O3. Physical Chemistry Chemical Physics, 2000, 2, 373-378.	2.8	26
59	Structural, catalytic/redox and electrical characterization of systems combining Cuâ€“Ni with CeO2 or Ce1â^'xMxO2â^'Î´ (M=Gd or Tb) for direct methane oxidation. Journal of Power Sources, 2009, 192, 70-77.	7.8	25
60	Corrosion and wear resistance properties of multilayered diamondâ€like carbon nanocomposite coating. Surface and Interface Analysis, 2018, 50, 265-276.	1.8	25
61	Systematic study on the effect of Ag doping in shaping the magnetic properties of sol-gel derived TiO2 nanoparticles. Ceramics International, 2020, 46, 27832-27848.	4.8	24
62	LaNiO3/g-C3N4 nanocomposite: An efficient Z-scheme photocatalyst for wastewater treatment using direct sunlight. Journal of Rare Earths, 2022, 40, 725-736.	4.8	24
63	DRIFTS-MS studies of preferential oxidation of CO in H2 rich stream over (CuO)0.7(CeO2)0.3 and (Cu0.9M0.1O)0.7(CeO2)0.3 (M=Co, Zn and Sn) catalysts. Catalysis Today, 2010, 155, 184-191.	4.4	23
64	Cu/TiO2 thin films prepared by reactive RF magnetron sputtering. Applied Physics A: Materials Science and Processing, 2015, 120, 765-773.	2.3	22
65	Study of local environment of Ag in Ag/CeO2 catalyst by EXAFS. Materials Research Bulletin, 2002, 37, 1679-1690.	5.2	21
66	Understanding the anomalous behavior of Vegard's law in Ce_{1â^'x}M_xO₂ (M = Sn and Ti; 0 < x â‰¤ 0.5) solid solutions. Physical Chemistry Chemical Physics, 2016, 18, 13974-13983.	2.8	21
67	Studies of Cu-doped ZnS thin films prepared by sputtering technique. Surface and Interface Analysis, 2017, 49, 284-290.	1.8	20
68	Influence of cobalt on performance of Cuâ€“CeO2 catalysts for preferential oxidation of CO. Journal of Rare Earths, 2020, 38, 941-950.	4.8	20
69	Low-Temperature Propylene Epoxidation Activity of CuOâ€“CeO₂ Catalyst with CO + O₂: Role of Metalâ€“Support Interaction on the Reducibility and Catalytic Property of CuO_x Species. Journal of Physical Chemistry C, 2020, 124, 14131-14146.	3.1	20
70	Silver-Palladium Nanodispersions in Silicate Matrices: Highly Uniform, Stable, Bimetallic Structures. Journal of Colloid and Interface Science, 2002, 246, 92-99.	9.4	19
71	GROWTH, STRUCTURAL CHARACTERIZATION AND INTERFACIAL REACTION OF MAGNETRON SPUTTERED CeO₂ THIN FILMS ON DIFFERENT SUBSTRATES. Surface Review and Letters, 2014, 21, 1450054.	1.1	19
72	Reversible, repeatable and low phase transition behaviour of spin coated nanostructured vanadium oxide thin films with superior mechanical properties. Ceramics International, 2018, 44, 8913-8921.	4.8	19

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73	Solution Combustion Synthesis as a Novel Route to Preparation of Catalysts. International Journal of Self-Propagating High-Temperature Synthesis, 2019, 28, 77-109.	0.5	19
74	Characterization and microhardness of Coâ^'W coatings electrodeposited at different pH using gluconate bath: A comparative study. Surface and Interface Analysis, 2013, 45, 1026-1036.	1.8	18
75	Temperature-time dependent transmittance, sheet resistance and bonding energy of reduced graphene oxide on soda lime glass. Applied Surface Science, 2017, 425, 558-563.	6.1	18
76	Citrate combustion synthesized Al-doped CaCu₃Ti₄O₁₂ quadruple perovskite: synthesis, characterization and multifunctional properties. Physical Chemistry Chemical Physics, 2020, 22, 3499-3511.	2.8	18
77	Development of vanadium impregnated flat absorber composite PEO coating on AA6061 alloy. Surface and Coatings Technology, 2021, 410, 126891.	4.8	16
78	Structural, magnetic, and dielectric properties of solution combustion synthesized LaFeO₃, LaFe_{0.9}Mn_{0.1}O₃, and LaMnO₃ perovskites. Physical Chemistry Chemical Physics, 2022, 24, 5462-5478.	2.8	16
79	Growth of InBixSb(1â^'x) films on GaAs(001) substrates using liquid phase epitaxy and their characterization. Journal of Crystal Growth, 2002, 241, 171-176.	1.5	15
80	Corrosion and Wear Properties of Ti/Tetrahedral Amorphous Carbon Multilayered Coating. Journal of Bio- and Tribo-Corrosion, 2017, 3, 1.	2.6	14
81	Can titanium oxide nanotubes facilitate intracellular delivery by laser-assisted photoporation?. Applied Surface Science, 2021, 543, 148815.	6.1	14
82	Structural, optical, dielectric, and magnetic properties of spinel MFe2O4 (M = Co and Zn) nanoparticles synthesized by CTAB-assisted hydrothermal method. Ceramics International, 2022, 48, 35719-35732.	4.8	14
83	An X-ray photoelectron spectroscopic study of electrochemically deposited Feâ€“P thin films on copper substrate. Applied Surface Science, 2002, 191, 128-137.	6.1	13
84	A study on degradation of germanium coating on Kapton used for spacecraft sunshield application. Surface and Interface Analysis, 2015, 47, 1155-1160.	1.8	13
85	Optimization of process parameters to achieve spectrally selective TiAlC/TiAlCN/TiAlSiCN/TiAlSiCO/TiAlSiO high temperature solar absorber coating. Solar Energy, 2016, 139, 58-67.	6.1	13
86	Title is missing!. Journal of Materials Science Letters, 2002, 21, 205-208.	0.5	12
87	Preferential oxidation of CO on Ni/CeO2 catalysts in the presence of excess H2 and CO2. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 405-419.	1.7	12
88	Microstructural studies of e-beam evaporated alumina thin films. Surface Engineering, 2014, 30, 594-599.	2.2	12
89	Growth, characterization and interfacial reaction of magnetron sputtered Pt/CeO₂ thin films on Si and Si₃N₄ substrates. Surface and Interface Analysis, 2015, 47, 777-784.	1.8	12
90	Nanostructured alumina films by E-beam evaporation. Ceramics International, 2015, 41, 10537-10546.	4.8	12

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91	CHARACTERIZATION AND MICROHARDNESS OF ELECTRODEPOSITED Niâ€“W COATINGS OBTAINED FROM GLUCONATE BATH. Surface Review and Letters, 2015, 22, 1550011.	1.1	12
92	Reversible phase transition in vanadium oxide films sputtered on metal substrates. Philosophical Magazine Letters, 2016, 96, 440-446.	1.2	12
93	Microstructure and electrical properties of plasma sprayed Gd0.15Ce0.85O2-Î´ coatings from solution combustion synthesized flowable powders. Journal of the European Ceramic Society, 2017, 37, 271-279.	5.7	12
94	Effect of surface finishing on the formation of nanostructure and corrosion behavior of Niâ€“Ti alloy. Surface and Interface Analysis, 2017, 49, 450-456.	1.8	12
95	Dye degradation studies of Moâ€doped TiO₂ thin films developed by reactive sputtering. Surface and Interface Analysis, 2018, 50, 171-179.	1.8	12
96	Carbon plasma immersion ion implantation and DLC deposition on Niâ^'Ti alloy. Materials and Manufacturing Processes, 2018, 33, 1121-1127.	4.7	12
97	Dual-Site Cooperation for High Benzyl Alcohol Oxidation Activity of MnO₂ in Biphasic MnO_xâ€“CeO₂ Catalyst Using Aerial O₂ in the Vapor Phase. Journal of Physical Chemistry C, 2021, 125, 20831-20844.	3.1	12
98	CHARACTERIZATION AND HARDNESS OF Coâ€“P COATINGS OBTAINED FROM DIRECT CURRENT ELECTRODEPOSITION USING GLUCONATE BATH. Surface Review and Letters, 2013, 20, 1350049.	1.1	11
99	Surface treatment and its effect on the electrochemical behavior of Tiâ€“15Moâ€“3Nbâ€“3Al alloy. RSC Advances, 2016, 6, 36345-36355.	3.6	11
100	Growth and structure of Pd films on ZnO(0001). Journal of Chemical Physics, 2006, 125, 164713.	3.0	10
101	Optical and RF transparent protective alumina thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 9707-9716.	2.2	10
102	Effect of oxygen plasma immersion ion implantation on the formation of nanostructures over Niâ€“Ti alloy. RSC Advances, 2016, 6, 74493-74499.	3.6	10
103	Transparent hydrophobic and superhydrophobic coatings fabricated using polyamide 12â€“SiO₂ nanocomposite. Surface and Interface Analysis, 2017, 49, 427-433.	1.8	10
104	Structural and compositional analysis of InBixAsySb(1â^'xâ^'y) films grown on GaAs(0 0 1) substrates by liquid phase epitaxy. Applied Surface Science, 2003, 220, 321-326.	6.1	9
105	XPS Characterization and Microhardness of Heat Treated Coâ€“W Coatings Electrodeposited with Gluconate Bath. Advanced Science Focus, 2013, 1, 262-268.	0.1	9
106	STUDIES ON SURFACE STRUCTURE, MORPHOLOGY AND COMPOSITION OF Coâ€“W COATINGS ELECTRODEPOSITED WITH DIRECT AND PULSE CURRENT USING GLUCONATE BATH. Surface Review and Letters, 2013, 20, 1350006.	1.1	9
107	Investigation of support effect on CO adsorption and CO + O2 reaction over Ce1 â^' x â^' yMxCuyO2 â^' Î´ (M) Tj ETQq1 1 0.784314 rgB	0.5	8
108	Phase evolution of EBPVD coated ceria-zirconia nanostructure and its impact on high temperature oxidation of AISI 304. Corrosion Science, 2017, 129, 115-125.	6.6	8

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109	Anatase TiO2 decorated CuCr2O4 nanocomposite: A versatile photocatalyst under domestic LED light irradiation. Applied Surface Science, 2021, 568, 150838.	6.1	8
110	Improved thermal stability, mechanical and tribological properties of reactively sputtered Si doped TiAlC nanostructured hard coatings. Surface and Coatings Technology, 2016, 288, 95-104.	4.8	7
111	Evaluation of nanoalumina coated germanium black polyimide membrane as sunshield for application on the communication satellite antenna. Ceramics International, 2016, 42, 2589-2598.	4.8	7
112	Synthesis and magnetic properties of nano-dimensional Fe1â^'xCuxAl2O4 (0.3 â‰¤ x â‰¤ 0.8). RSC Advances, 2015, 5, 83809-83817.	3.6	6
113	Effect of low temperature vacuum annealing on microstructural, optical, electronic, electrical, nanomechanical properties and phase transition behavior of sputtered vanadium oxide thin films. Materials Research Express, 2016, 3, 106407.	1.6	6
114	Corrosion, wear, and cell culture studies of oxygen ion implanted Niâ€“Ti alloy. Surface and Interface Analysis, 2017, 49, 828-836.	1.8	6
115	Characterization and microhardness of Niâ^'Wâ^'P coatings electrodeposited with gluconate bath. Surfaces and Interfaces, 2021, 22, 100769.	3.0	6
116	Microstructural, thermo-optical, mechanical and tribological behaviours of vacuum heat treated ultra thin SS304 foils. Materials Research Express, 2016, 3, 096501.	1.6	5
117	Effect of Molybdenum Content on Mechanical and Tribological Properties of Diamond-Like Carbon Coatings over Titanium Î²-21S Alloy. Journal of Carbon Research, 2021, 7, 1.	2.7	5
118	FESEM and XPS studies of ZrO2modified electrodeposited NiCoCrAlY nanocomposite coating subjected to hot corrosion environment. RSC Advances, 2016, 6, 109083-109090.	3.6	4
119	Antimicrobial and Free Radical Scavenging Activities of Cellulose/Silver-Nanocomposites with In Situ Generated Silver Nanoparticles Using Cissampelos Pareira Leaf Extract. Journal of Cluster Science, 2022, 33, 1727-1737.	3.3	4
120	Transition metal nitride/oxide-based multilayer PVD coating with solâ€“gel derived ormosil passivation layer as an efficient solar absorber: Studies on high temperature stability and performance evaluation. Solar Energy, 2022, 239, 283-293.	6.1	4
121	Corrosion Behaviour of Sputtered Alumina Thin Films. Journal of the Institution of Engineers (India): Series D, 2015, 96, 105-112.	1.0	3
122	Effect of P codeposition on the structure and microhardness of Coâ€“W coatings electrodeposited from gluconate bath. Surface and Interface Analysis, 2017, 49, 554-569.	1.8	3
123	Sputter-deposited low reflectance vanadium oxide-molybdenum oxide thin films on silicon. Infrared Physics and Technology, 2017, 85, 273-279.	2.9	3
124	Synthesis, structure, CO oxidation, and H2 production activities of CaCu3â^'Mn Ti4â^'Mn O12 (x = 0, 0.5,) Tj ETQq0 0 0 rgBT /Overlock	4.8	3
125	Ionic Dispersion of Pt over CeO2 by the Combustion Method: Structural Investigation by XRD, TEM, XPS, and EXAFS.. ChemInform, 2003, 34, no.	0.0	1
126	UV and thermally stable polystyrene-MWCNT superhydrophobic coatings. Surface and Interface Analysis, 2017, 49, 93-98.	1.8	1

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127	Comprehensive studies on microstructural, electronic, thermo-optical, mechanical and tribological behavious of vacuum heat treated ultra thin CP Ti foils. Materials Research Express, 2017, 4, 076404.	1.6	1
128	Catalytic activity of pure Ni and Ni-33%Cu for dehydrogenation during graphene growth by chemical vapour deposition. Materials Today: Proceedings, 2018, 5, 17284-17292.	1.8	0
129	CHARACTERIZATION OF ELECTRODEPOSITED ZIRCONIA MODIFIED NiCoCrAlY COMPOSITE COATINGS ISOTHERMALLY OXIDIZED AT 1000^{â˜}C. Surface Review and Letters, 2021, 28, 2150003.	1.1	0