

Parthasarathi Bera

List of Publications by Year in descending order

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129
papers

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71102

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#	ARTICLE	IF	CITATIONS
1	LaNiO ₃ /g-C ₃ N ₄ nanocomposite: An efficient Z-scheme photocatalyst for wastewater treatment using direct sunlight. <i>Journal of Rare Earths</i> , 2022, 40, 725-736.	4.8	24
2	Antimicrobial and Free Radical Scavenging Activities of Cellulose/Silver-Nanocomposites with In Situ Generated Silver Nanoparticles Using Cissampelos Pareira Leaf Extract. <i>Journal of Cluster Science</i> , 2022, 33, 1727-1737.	3.3	4
3	Structural, magnetic, and dielectric properties of solution combustion synthesized LaFeO ₃ , LaFe _{0.9} Mn _{0.1} O ₃ , and LaMnO ₃ perovskites. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5462-5478.	2.8	16
4	Transition metal nitride/oxide-based multilayer PVD coating with sol-gel derived ormosil passivation layer as an efficient solar absorber: Studies on high temperature stability and performance evaluation. <i>Solar Energy</i> , 2022, 239, 283-293.	6.1	4
5	Structural, optical, dielectric, and magnetic properties of spinel MFe ₂ O ₄ (M = Co and Zn) nanoparticles synthesized by CTAB-assisted hydrothermal method. <i>Ceramics International</i> , 2022, 48, 35719-35732.	4.8	14
6	Synthesis, structure, CO oxidation, and H ₂ production activities of CaCu _{3-x} MnTi _{4-x} MnO ₁₂ (x = 0, 0.5). <i>Journal of Materials Chemistry C</i> , 2021, 9, 10000-10003.	4.8	3
7	Facile synthesis of CuCr ₂ O ₄ /CeO ₂ nanocomposite: A new Fenton like catalyst with domestic LED light assisted improved photocatalytic activity for the degradation of RhB, MB and MO dyes. <i>Applied Surface Science</i> , 2021, 536, 147604.	6.1	50
8	Facile synthesis of CuCr ₂ O ₄ /BiOBr nanocomposite and its photocatalytic activity towards RhB and tetracycline hydrochloride degradation under household visible LED light irradiation. <i>Journal of Alloys and Compounds</i> , 2021, 867, 157947.	5.5	35
9	Characterization and microhardness of Ni-W-P coatings electrodeposited with gluconate bath. <i>Surfaces and Interfaces</i> , 2021, 22, 100769.	3.0	6
10	Development of vanadium impregnated flat absorber composite PEO coating on AA6061 alloy. <i>Surface and Coatings Technology</i> , 2021, 410, 126891.	4.8	16
11	Can titanium oxide nanotubes facilitate intracellular delivery by laser-assisted photoporation?. <i>Applied Surface Science</i> , 2021, 543, 148815.	6.1	14
12	Dual-Site Cooperation for High Benzyl Alcohol Oxidation Activity of MnO ₂ in Biphasic MnO ₂ /CeO ₂ Catalyst Using Aerial O ₂ in the Vapor Phase. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20831-20844.	3.1	12
13	Anatase TiO ₂ decorated CuCr ₂ O ₄ nanocomposite: A versatile photocatalyst under domestic LED light irradiation. <i>Applied Surface Science</i> , 2021, 568, 150838.	6.1	8
14	CHARACTERIZATION OF ELECTRODEPOSITED ZIRCONIA MODIFIED NiCoCrAlY COMPOSITE COATINGS ISOTHERMALLY OXIDIZED AT 1000°C. <i>Surface Review and Letters</i> , 2021, 28, 2150003.	1.1	0
15	Effect of Molybdenum Content on Mechanical and Tribological Properties of Diamond-Like Carbon Coatings over Titanium Ti-21S Alloy. <i>Journal of Carbon Research</i> , 2021, 7, 1.	2.7	5
16	Influence of cobalt on performance of Cu-CeO ₂ catalysts for preferential oxidation of CO. <i>Journal of Rare Earths</i> , 2020, 38, 941-950.	4.8	20
17	Citrate combustion synthesized Al-doped CaCu ₃ Ti ₄ O ₁₂ quadruple perovskite: synthesis, characterization and multifunctional properties. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3499-3511.	2.8	18
18	Systematic study on the effect of Ag doping in shaping the magnetic properties of sol-gel derived TiO ₂ nanoparticles. <i>Ceramics International</i> , 2020, 46, 27832-27848.	4.8	24

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19	Solution combustion synthesis, characterization, magnetic, and dielectric properties of $\text{CoFe}_{2.0}\text{O}_{4.0}$ and $\text{Co}_{0.5}\text{M}_{0.5}\text{Fe}_{2.0}\text{O}_{4.0}$ (M = Mn, Ni, and Zn). <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20087-20106.	2.8	30
20	Low-Temperature Propylene Epoxidation Activity of CuO/CeO_2 Catalyst with $\text{CO} + \text{O}_2$: Role of Metal-Support Interaction on the Reducibility and Catalytic Property of CuO Species. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14131-14146.	3.1	20
21	Ultra-Low-Temperature CO Oxidation Activity of Octahedral Site Cobalt Species in Co_3O_4 Based Catalysts: Unravelling the Origin of the Unique Catalytic Property. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19557-19571.	3.1	41
22	Solution Combustion Synthesis as a Novel Route to Preparation of Catalysts. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2019, 28, 77-109.	0.5	19
23	Enhanced microwave absorption properties of PMMA modified MnFe_2O_4 "polyaniline nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5068-5077.	2.8	37
24	Reversible, repeatable and low phase transition behaviour of spin coated nanostructured vanadium oxide thin films with superior mechanical properties. <i>Ceramics International</i> , 2018, 44, 8913-8921.	4.8	19
25	Corrosion and wear resistance properties of multilayered diamond-like carbon nanocomposite coating. <i>Surface and Interface Analysis</i> , 2018, 50, 265-276.	1.8	25
26	Dye degradation studies of Mo-doped TiO_2 thin films developed by reactive sputtering. <i>Surface and Interface Analysis</i> , 2018, 50, 171-179.	1.8	12
27	Carbon plasma immersion ion implantation and DLC deposition on Ni-Ti alloy. <i>Materials and Manufacturing Processes</i> , 2018, 33, 1121-1127.	4.7	12
28	Catalytic activity of pure Ni and Ni-33%Cu for dehydrogenation during graphene growth by chemical vapour deposition. <i>Materials Today: Proceedings</i> , 2018, 5, 17284-17292.	1.8	0
29	UV and thermally stable polystyrene-MWCNT superhydrophobic coatings. <i>Surface and Interface Analysis</i> , 2017, 49, 93-98.	1.8	1
30	Effect of P codeposition on the structure and microhardness of Co/W coatings electrodeposited from gluconate bath. <i>Surface and Interface Analysis</i> , 2017, 49, 554-569.	1.8	3
31	Low-Temperature CO Oxidation over Combustion Made Fe- and Cr-Doped Co_3O_4 Catalysts: Role of Dopant's Nature toward Achieving Superior Catalytic Activity and Stability. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15256-15265.	3.1	67
32	Mitigating the Surface Degradation and Voltage Decay of $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Mn}_{0.54}\text{Co}_{0.13}\text{O}_2$ Cathode Material through Surface Modification Using Li_2ZrO_3 . <i>ACS Omega</i> , 2017, 2, 2308-2316.	3.5	41
33	Comprehensive studies on microstructural, electronic, thermo-optical, mechanical and tribological behaviour of vacuum heat treated ultra thin CP Ti foils. <i>Materials Research Express</i> , 2017, 4, 076404.	1.6	1
34	Corrosion, wear, and cell culture studies of oxygen ion implanted Ni-Ti alloy. <i>Surface and Interface Analysis</i> , 2017, 49, 828-836.	1.8	6
35	Phase evolution of EBPVD coated ceria-zirconia nanostructure and its impact on high temperature oxidation of AISI 304. <i>Corrosion Science</i> , 2017, 129, 115-125.	6.6	8
36	Corrosion and Wear Properties of Ti/Tetrahedral Amorphous Carbon Multilayered Coating. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017, 3, 1.	2.6	14

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37	Temperature-time dependent transmittance, sheet resistance and bonding energy of reduced graphene oxide on soda lime glass. <i>Applied Surface Science</i> , 2017, 425, 558-563.	6.1	18
38	Corrosion and Wear Behaviors of Cr-Doped Diamond-Like Carbon Coatings. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 3633-3647.	2.5	33
39	Sputter-deposited low reflectance vanadium oxide-molybdenum oxide thin films on silicon. <i>Infrared Physics and Technology</i> , 2017, 85, 273-279.	2.9	3
40	EIS and XPS studies on the self-healing properties of Ce-modified silica-alumina hybrid coatings: Evidence for Ce(III) migration. <i>Surface and Coatings Technology</i> , 2017, 309, 363-370.	4.8	58
41	Transparent hydrophobic and superhydrophobic coatings fabricated using polyamide 12- SiO_2 nanocomposite. <i>Surface and Interface Analysis</i> , 2017, 49, 427-433.	1.8	10
42	Microstructure and electrical properties of plasma sprayed $\text{Gd}_{0.15}\text{Ce}_{0.85}\text{O}_{2-\delta}$ coatings from solution combustion synthesized flowable powders. <i>Journal of the European Ceramic Society</i> , 2017, 37, 271-279.	5.7	12
43	Studies of Cu-doped ZnS thin films prepared by sputtering technique. <i>Surface and Interface Analysis</i> , 2017, 49, 284-290.	1.8	20
44	Effect of surface finishing on the formation of nanostructure and corrosion behavior of Ni-Ti alloy. <i>Surface and Interface Analysis</i> , 2017, 49, 450-456.	1.8	12
45	Reversible phase transition in vanadium oxide films sputtered on metal substrates. <i>Philosophical Magazine Letters</i> , 2016, 96, 440-446.	1.2	12
46	Surface treatment and its effect on the electrochemical behavior of Ti-15Mo-3Nb-3Al alloy. <i>RSC Advances</i> , 2016, 6, 36345-36355.	3.6	11
47	Understanding the anomalous behavior of Vegard's law in $\text{Ce}_{1-x}\text{M}_x\text{O}_2$ ($\text{M} = \text{Sn}$ and Ti ; $0 < x \leq 0.5$) solid solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13974-13983.	2.8	21
48	Optimization of process parameters to achieve spectrally selective TiAlC/TiAlCN/TiAlSiCN/TiAlSiCO/TiAlSiO high temperature solar absorber coating. <i>Solar Energy</i> , 2016, 139, 58-67.	6.1	13
49	Effect of oxygen plasma immersion ion implantation on the formation of nanostructures over Ni-Ti alloy. <i>RSC Advances</i> , 2016, 6, 74493-74499.	3.6	10
50	Microstructural, thermo-optical, mechanical and tribological behaviours of vacuum heat treated ultra thin SS304 foils. <i>Materials Research Express</i> , 2016, 3, 096501.	1.6	5
51	Nanocolumnar Crystalline Vanadium Oxide-Molybdenum Oxide Antireflective Smart Thin Films with Superior Nanomechanical Properties. <i>Scientific Reports</i> , 2016, 6, 36811.	3.3	29
52	FESEM and XPS studies of ZrO_2 modified electrodeposited NiCoCrAlY nanocomposite coating subjected to hot corrosion environment. <i>RSC Advances</i> , 2016, 6, 109083-109090.	3.6	4
53	Effect of low temperature vacuum annealing on microstructural, optical, electronic, electrical, nanomechanical properties and phase transition behavior of sputtered vanadium oxide thin films. <i>Materials Research Express</i> , 2016, 3, 106407.	1.6	6
54	Improved thermal stability, mechanical and tribological properties of reactively sputtered Si doped TiAlC nanostructured hard coatings. <i>Surface and Coatings Technology</i> , 2016, 288, 95-104.	4.8	7

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55	Evaluation of nanoalumina coated germanium black polyimide membrane as sunshield for application on the communication satellite antenna. <i>Ceramics International</i> , 2016, 42, 2589-2598.	4.8	7
56	Investigation of support effect on CO adsorption and CO + O ₂ reaction over Ce _{1-x} Y _x M _x Cu _{1-y} O _{2-δ} (M = Ti, Zr, Hf). <i>Journal of Materials Chemistry A</i> , 2015, 3, 20908-20912.	0.5	8
57	A study on degradation of germanium coating on Kapton used for spacecraft sunshield application. <i>Surface and Interface Analysis</i> , 2015, 47, 1155-1160.	1.8	13
58	Growth, characterization and interfacial reaction of magnetron sputtered Pt/CeO ₂ thin films on Si and Si ₃ N ₄ substrates. <i>Surface and Interface Analysis</i> , 2015, 47, 777-784.	1.8	12
59	Cu/TiO ₂ thin films prepared by reactive RF magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 765-773.	2.3	22
60	Noble metal ion substituted CeO ₂ catalysts: Electronic interaction between noble metal ions and CeO ₂ lattice. <i>Catalysis Today</i> , 2015, 253, 40-50.	4.4	79
61	Study of the structural, thermal, optical, electrical and nanomechanical properties of sputtered vanadium oxide smart thin films. <i>RSC Advances</i> , 2015, 5, 35737-35745.	3.6	35
62	Nanostructured alumina films by E-beam evaporation. <i>Ceramics International</i> , 2015, 41, 10537-10546.	4.8	12
63	Corrosion Behaviour of Sputtered Alumina Thin Films. <i>Journal of the Institution of Engineers (India): Series D</i> , 2015, 96, 105-112.	1.0	3
64	Improved electrochemical performance of Na _{0.67} MnO ₂ through Ni and Mg substitution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20908-20912.	10.3	82
65	Synthesis and magnetic properties of nano-dimensional Fe _{1-x} Cu _x Al ₂ O ₄ (0.3 ≤ x ≤ 0.8). <i>RSC Advances</i> , 2015, 5, 83809-83817.	3.6	6
66	Noble metal ions in CeO ₂ and TiO ₂ : synthesis, structure and catalytic properties. <i>RSC Advances</i> , 2015, 5, 94949-94979.	3.6	52
67	Optical and RF transparent protective alumina thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9707-9716.	2.2	10
68	CHARACTERIZATION AND MICROHARDNESS OF ELECTRODEPOSITED Ni-W COATINGS OBTAINED FROM GLUCONATE BATH. <i>Surface Review and Letters</i> , 2015, 22, 1550011.	1.1	12
69	XRD and XPS studies of room temperature spontaneous interfacial reaction of CeO ₂ thin films on Si and Si ₃ N ₄ substrates. <i>RSC Advances</i> , 2014, 4, 62935-62939.	3.6	50
70	Microstructural studies of e-beam evaporated alumina thin films. <i>Surface Engineering</i> , 2014, 30, 594-599.	2.2	12
71	Stable superhydrophobic coatings using PVDF/MWCNT nanocomposite. <i>Applied Surface Science</i> , 2014, 301, 208-215.	6.1	55
72	Characterization and corrosion behavior of Co and Co-P coatings electrodeposited from chloride bath. <i>RSC Advances</i> , 2014, 4, 46293-46304.	3.6	28

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73	Effect of the size of silica nanoparticles on wettability and surface chemistry of sol-gel superhydrophobic and oleophobic nanocomposite coatings. Applied Surface Science, 2014, 320, 780-786.	6.1	91
74	GROWTH, STRUCTURAL CHARACTERIZATION AND INTERFACIAL REACTION OF MAGNETRON SPUTTERED CeO_2 THIN FILMS ON DIFFERENT SUBSTRATES. Surface Review and Letters, 2014, 21, 1450054.	1.1	19
75	XPS study of sputtered alumina thin films. Ceramics International, 2014, 40, 11099-11107.	4.8	68
76	XPS Characterization and Microhardness of Heat Treated Co^{W} Coatings Electrodeposited with Gluconate Bath. Advanced Science Focus, 2013, 1, 262-268.	0.1	9
77	XPS studies on the interaction of CeO_2 with silicon in magnetron sputtered CeO_2 thin films on Si and Si_3N_4 substrates. Applied Surface Science, 2013, 283, 297-303.	6.1	191
78	Palladium Nanoparticles on Graphite Oxide: A Recyclable Catalyst for the Synthesis of Biaryl Cores. ACS Catalysis, 2013, 3, 2776-2789.	11.2	91
79	DRIFTS studies on CO and NO adsorption and $\text{NO}+\text{CO}$ reaction over Pd^{2+} -substituted CeO_2 and $\text{Ce}_0.75\text{Sn}_0.25\text{O}_2$ catalysts. Journal of Catalysis, 2013, 303, 117-129.	6.2	67
80	STUDIES ON SURFACE STRUCTURE, MORPHOLOGY AND COMPOSITION OF Co^{W} COATINGS ELECTRODEPOSITED WITH DIRECT AND PULSE CURRENT USING GLUCONATE BATH. Surface Review and Letters, 2013, 20, 1350006.	1.1	9
81	Characterization and microhardness of Co^{W} coatings electrodeposited at different pH using gluconate bath: A comparative study. Surface and Interface Analysis, 2013, 45, 1026-1036.	1.8	18
82	Characterization of Active Sites/Entities and Redox/Catalytic Correlations in Copper-Ceria-Based Catalysts for Preferential Oxidation of CO in H_2 -Rich Streams. Catalysts, 2013, 3, 378-400.	3.5	56
83	CHARACTERIZATION AND HARDNESS OF Co^{P} COATINGS OBTAINED FROM DIRECT CURRENT ELECTRODEPOSITION USING GLUCONATE BATH. Surface Review and Letters, 2013, 20, 1350049.	1.1	11
84	Characterization of amorphous Co^{P} alloy coatings electrodeposited with pulse current using gluconate bath. Applied Surface Science, 2012, 258, 9544-9553.	6.1	42
85	Preferential oxidation of CO on Ni/ CeO_2 catalysts in the presence of excess H_2 and CO_2 . Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 405-419.	1.7	12
86	Anchored palladium nanoparticles onto single walled carbon nanotubes: Efficient recyclable catalyst for N-containing heterocycles. RSC Advances, 2012, 2, 7523.	3.6	59
87	XRD, FESEM and XPS studies on heat treated Co^{W} electrodeposits. Materials Letters, 2012, 76, 103-105.	2.6	34
88	Fabrication of superhydrophobic and oleophobic sol-gel nanocomposite coating. Surface and Coatings Technology, 2012, 206, 3888-3894.	4.8	120
89	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
90	NO Reduction Over Noble Metal Ionic Catalysts. Catalysis Surveys From Asia, 2011, 15, 181-199.	2.6	32

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91	DRIFTS-MS studies of preferential oxidation of CO in H ₂ rich stream over (CuO) _{0.7} (CeO ₂) _{0.3} and (Cu _{0.9} M _{0.1}) _{0.7} (CeO ₂) _{0.3} (M=Co, Zn and Sn) catalysts. <i>Catalysis Today</i> , 2010, 155, 184-191.	4.4	23
92	Inverse CeO ₂ /CuO Catalyst As an Alternative to Classical Direct Configurations for Preferential Oxidation of CO in Hydrogen-Rich Stream. <i>Journal of the American Chemical Society</i> , 2010, 132, 34-35.	13.7	278
93	CO-TPR-DRIFTS-MS in situ study of CuO/Ce _{1-x} Tb _x O _{2-y} (x=0, 0.2 and 0.5) catalysts: Support effects on redox properties and CO oxidation catalysis. <i>Journal of Catalysis</i> , 2009, 268, 367-375.	6.2	99
94	Structural, catalytic/redox and electrical characterization of systems combining Cu-Ni with CeO ₂ or Ce _{1-x} M _x O _{2-y} (M=Gd or Tb) for direct methane oxidation. <i>Journal of Power Sources</i> , 2009, 192, 70-77.	7.8	25
95	Redox-catalytic correlations in oxidised copper-ceria CO-PROX catalysts. <i>Catalysis Today</i> , 2009, 143, 211-217.	4.4	118
96	Comparative in Situ DRIFTS-MS Study of ¹² CO- and ¹³ CO-TPR on CuO/CeO ₂ Catalyst. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10689-10695.	3.1	102
97	Reaction of CH ₃ OH on Pd/ZnO(0001) and PdZn/ZnO(0001) Model Catalysts. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7049-7057.	3.1	36
98	Heat of Adsorption of Naphthalene on Pt(111) Measured by Adsorption Calorimetry. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17539-17545.	2.6	73
99	Interactions of O ₂ with Pd Nanoparticles on γ -Al ₂ O ₃ (0001) at Low and High O ₂ Pressures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24577-24584.	2.6	73
100	Growth and structure of Pd films on ZnO(0001). <i>Journal of Chemical Physics</i> , 2006, 125, 164713.	3.0	10
101	Bimetallic nanoparticles: A single step synthesis, stabilization, and characterization of Au-Ag, Au-Pd, and Au-Pt in sol-gel derived silicates. <i>Journal of Colloid and Interface Science</i> , 2005, 290, 117-129.	9.4	177
102	Low-Temperature Water Gas Shift Reaction on Combustion Synthesized Ce _{1-x} Pt _x O ₂ Catalyst. <i>Catalysis Letters</i> , 2004, 96, 213-219.	2.6	39
103	Calorimetric Measurement of the Heat of Adsorption of Benzene on Pt(111). <i>Journal of Physical Chemistry B</i> , 2004, 108, 14627-14633.	2.6	130
104	Characterization of Ni-Pd alloy as anode for methanol oxidative fuel cell. <i>Materials Chemistry and Physics</i> , 2003, 80, 656-661.	4.0	68
105	Ionic Dispersion of Pt over CeO ₂ by the Combustion Method: Structural Investigation by XRD, TEM, XPS, and EXAFS. <i>ChemInform</i> , 2003, 34, no.	0.0	1
106	Structural and compositional analysis of In _{Bix} As _y Sb _(1-x-y) films grown on GaAs(001) substrates by liquid phase epitaxy. <i>Applied Surface Science</i> , 2003, 220, 321-326.	6.1	9
107	Ionic Dispersion of Pt over CeO ₂ by the Combustion Method: Structural Investigation by XRD, TEM, XPS, and EXAFS. <i>Chemistry of Materials</i> , 2003, 15, 2049-2060.	6.7	309
108	Promoting Effect of CeO ₂ in Combustion Synthesized Pt/CeO ₂ Catalyst for CO Oxidation. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6122-6130.	2.6	273

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109	Structural Investigation of Combustion Synthesized Cu/CeO ₂ Catalysts by EXAFS and Other Physical Techniques: A Formation of a Ce _{1-x} Cu _x O ₂ Solid Solution. <i>Chemistry of Materials</i> , 2002, 14, 3591-3601.	6.7	270
110	Formation of Ce _{1-x} Pd _x O ₂ Solid Solution in Combustion-Synthesized Pd/CeO ₂ Catalyst: XRD, XPS, and EXAFS Investigation. <i>Chemistry of Materials</i> , 2002, 14, 2120-2128.	6.7	334
111	Characterization of electrochemically deposited Cu-Ni black coatings. <i>Materials Research Bulletin</i> , 2002, 37, 397-405.	5.2	35
112	Study of local environment of Ag in Ag/CeO ₂ catalyst by EXAFS. <i>Materials Research Bulletin</i> , 2002, 37, 1679-1690.	5.2	21
113	Silver-Palladium Nanodispersions in Silicate Matrices: Highly Uniform, Stable, Bimetallic Structures. <i>Journal of Colloid and Interface Science</i> , 2002, 246, 92-99.	9.4	19
114	Catalytic partial-oxidation of methane on a ceria-supported platinum catalyst for application in fuel cell electric vehicles. <i>Applied Catalysis A: General</i> , 2002, 225, 63-75.	4.3	94
115	An X-ray photoelectron spectroscopic study of electrochemically deposited Fe-P thin films on copper substrate. <i>Applied Surface Science</i> , 2002, 191, 128-137.	6.1	13
116	Investigation of surface composition of electrodeposited black chrome coatings by X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2002, 191, 254-260.	6.1	39
117	Growth of In _{1-x} Sb _x films on GaAs(001) substrates using liquid phase epitaxy and their characterization. <i>Journal of Crystal Growth</i> , 2002, 241, 171-176.	1.5	15
118	Title is missing!. <i>Journal of Materials Science Letters</i> , 2002, 21, 205-208.	0.5	12
119	Characterization and Catalytic Properties of Combustion Synthesized Au/CeO ₂ Catalyst. <i>Catalysis Letters</i> , 2002, 79, 75-81.	2.6	98
120	A solvothermal route to capped nanoparticles of Fe ₃ -Fe ₂ O ₃ and CoFe ₂ O ₄ . <i>Journal of Materials Chemistry</i> , 2001, 11, 3215-3221.	6.7	87
121	Promoting effect of CeO ₂ in a Cu/CeO ₂ catalyst: lowering of redox potentials of Cu species in the CeO ₂ matrix. <i>Chemical Communications</i> , 2001, , 927-928.	4.1	69
122	Ceria-Supported Platinum as Hydrogen-Oxygen Recombinant Catalyst for Sealed Lead-Acid Batteries. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, A23.	2.2	29
123	An XPS study on binary and ternary alloys of transition metals with platinumized carbon and its bearing upon oxygen electroreduction in direct methanol fuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2001, 504, 111-119.	3.8	249
124	Thermal behaviour of hydroxides, hydroxysalts and hydrotalcites. <i>Bulletin of Materials Science</i> , 2000, 23, 141-145.	1.7	70
125	Ionic Dispersion of Pt and Pd on CeO ₂ by Combustion Method: Effect of Metal-Ceria Interaction on Catalytic Activities for NO Reduction and CO and Hydrocarbon Oxidation. <i>Journal of Catalysis</i> , 2000, 196, 293-301.	6.2	354
126	NO reduction, CO and hydrocarbon oxidation over combustion synthesized Ag/CeO ₂ catalyst. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3715-3719.	2.8	82

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127	Oxidation of CH ₄ and C ₃ H ₈ over combustion synthesized nanosize metal particles supported on γ -Al ₂ O ₃ . Physical Chemistry Chemical Physics, 2000, 2, 373-378.	2.8	26
128	Studies on Cu/CeO ₂ : A New NO Reduction Catalyst. Journal of Catalysis, 1999, 186, 36-44.	6.2	159
129	Combustion synthesis of nanometal particles supported on γ -Al ₂ O ₃ : CO oxidation and NO reduction catalysts. Journal of Materials Chemistry, 1999, 9, 1801-1806.	6.7	55