Plamen Stefanov

List of Publications by Year
in descending order

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Version: 2024-02-01

33	629	567281	580821
papers	citations	15 h-index	25 g-index

33	33	33	868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TiO2â€“CeO2 composite coatings for photocatalytic degradation of chloropesticide and organic dye. Journal of Materials Science: Materials in Electronics, 2022, 33, 5073-5086.	2.2	6
2	Iron Phosphide Precatalyst for Electrocatalytic Degradation of Rhodamine B Dye and Removal of Escherichia coli from Simulated Wastewater. Catalysts, 2022, 12, 269.	3.5	7
3	Effect of cerium oxide doping on the photocatalytic properties of rutile TiO2 films prepared by spray pyrolysis. Physica B: Condensed Matter, 2020, 599, 412544.	2.7	12
4	Mechanical and Structural Properties of Nanocomposite CrAlSiNâ€“AlSiN Coating with Periodically Modulated Composition. Coatings, 2020, 10, 41.	2.6	13
5	On the stabilization of the oxidized state of palladium by CuWO₄ for application as catalyst in abatement of C₁â€“C₄ hydrocarbons emissions. Materials Research Express, 2019, 6, 085554.	1.6	3
6	Effect of high energy ball milling on the physicochemical properties of TiO2â€“CeO2 mixed oxide and its photocatalytic behavior in the oxidation reaction. Reaction Kinetics, Mechanisms and Catalysis, 2019, 127, 175-186.	1.7	11
7	Gas-sensing properties of metal-oxide nanostructures produced by PLD. , 2019, , .		1
8	Light irradiation effect on the gas sensing properties of the ZnO nanostructures. , 2019, , .		0
9	Preparation and characterization of Pt-Ba-Al 2 O 3 coatings obtained by spray pyrolysis. Thin Solid Films, 2017, 628, 7-12.	1.8	2
10	Montmorillonite/poly(urethane-siloxane) nanocomposites: Morphological, thermal, mechanical and surface properties. Applied Clay Science, 2017, 149, 136-146.	5.2	34
11	The formation of tungsten doped Al2O3/ZnO coatings on aluminum by plasma electrolytic oxidation and their application in photocatalysis. Applied Surface Science, 2016, 377, 37-43.	6.1	40
12	Structural, photoluminescent and photocatalytic properties of TiO2:Eu3+ coatings formed by plasma electrolytic oxidation. Applied Surface Science, 2016, 370, 218-228.	6.1	76
13	CuBr laser ablation of titanium surface. Proceedings of SPIE, 2015, , .	0.8	0
14	Mechanochemically assisted solid state synthesis, characterization, and catalytic properties of MgWO4. Journal of Materials Science, 2015, 50, 3447-3456.	3.7	15
15	Anodic luminescence, structural, photoluminescent, and photocatalytic properties of anodic oxide films grown on niobium in phosphoric acid. Applied Surface Science, 2015, 355, 912-920.	6.1	31
16	Self-healing effect of ceria electrodeposited thin films on stainless steel in aggressive 0.5 mol/L NaCl aqueous solution. Journal of Rare Earths, 2015, 33, 1212-1227.	4.8	28
17	TiO 2 /WO 3 photocatalytic composite coatings prepared by spray pyrolysis. Surface and Coatings Technology, 2014, 258, 763-771.	4.8	38
18	Mechanochemical synthesis, characterization and catalytic activity of Bi2WO6 nanoparticles in CO, n-hexane and methane oxidation reactions. Journal of Alloys and Compounds, 2013, 570, 34-40.	5.5	17

#	Article	IF	Citations
19	CeOx/Al2O3 thin films on stainless steel substrate â€" Dynamical X-ray photoelectron spectroscopy investigations. Thin Solid Films, 2013, 536, 63-67.	1.8	15
20	Photodegradation of an azo pyridone dye using TiO2 films prepared by the spray pyrolysis method. Chemical Engineering Journal, 2012, 180, 57-65.	12.7	22
21	Effects of organic additives on alumina coatings on stainless steel obtained by spray pyrolysis. Journal of Non-Crystalline Solids, 2011, 357, 3592-3597.	3.1	8
22	Catalytic activity of Pt catalysts promoted by MnOx for n-hexane oxidation. Applied Catalysis B: Environmental, 2011, 107, 327-332.	20.2	17
23	Preparation and Characterization of Al₂O₃ Thin Films for Catalytic Activity Studies. Solid State Phenomena, 2010, 159, 91-96.	0.3	2
24	The thermal stability of porous alumina/stainless steel catalyst support obtained by spray pyrolysis. Applied Surface Science, 2008, 255, 3049-3055.	6.1	20
25	Oxidation of n-hexane over Pt and Cuâ€"Co oxide catalysts supported on a thin-film zirconia/stainless steel carrier. Catalysis Communications, 2008, 9, 1111-1118.	3.3	21
26	Preparation of ZrO₂ and Al₂O₃ Thin-Films on Stainless Steel by Spray Pyrolysis. Materials Science Forum, 2007, 555, 321-326.	0.3	3
27	An investigation of a new regeneration method of commercial aged three-way catalysts. Applied Catalysis B: Environmental, 2006, 65, 93-100.	20.2	41
28	Characterization and reactivity of Pt/Al<Subscript>2</Subscript>O<Subscript>3</Subscript>/SS thin films. Reaction Kinetics and Catalysis Letters, 2005, 84, 121-127.	0.6	1
29	Effects of annealing and oxygen adsorption on the surface. Composition of thin Niâ€"Mg alloy films. Applied Surface Science, 1997, 108, 477-484.	6.1	11
30	X-ray photoelectron spectroscopy, temperature-programmed desorption and temperature-programmed reduction study of LaNiO3 and La2NiO4 +? catalysts for methanol oxidation. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1987.	1.7	70
31	Cobalt-iron hydroxide carbonate as a precursor for the synthesis of high-dispersity spinel mixed oxides. Chemistry of Materials, 1993, 5, 576-582.	6.7	58
32	Monitoring the surface states of a low-temperature carbon monoxide shift catalyst during operation. Applied Catalysis, 1988, 40, 131-138.	0.8	1
33	Composition and Interface Chemistry Dependence in Ohmic Contacts to GaN HEMT Structures on the Ti/Al Ratio and Annealing Conditions. Materials Science Forum, 0, 615-617, 951-954.	0.3	5