

A review on fundamentals and applications of electropolymerization

Progress in Materials Science

52, 1-61

DOI: [10.1016/j.pmatsci.2006.07.001](https://doi.org/10.1016/j.pmatsci.2006.07.001)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Electrophoretic deposition of TiO ₂ and TiO ₂ + CeO ₂ coatings on type 304L stainless steel. <i>Surface Engineering</i> , 2007, 23, 267-272.	1.1	9
2	Preparation and Characterisation of TiO ₂ Thick Films Fabricated by Electrophoretic Deposition. <i>Materials Science Forum</i> , 2007, 561-565, 2163-2166.	0.3	8
3	Fine tuning of equilibrium distance of two-dimensional colloidal assembly under an alternating electric field. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	30
4	Electrophoresis of a Rigid Sphere in a Carreau Fluid Normal to a Large Charged Disk. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12351-12361.	1.2	13
5	Mathematical modeling of the coupled transport and electrochemical reactions in solid oxide steam electrolyzer for hydrogen production. <i>Electrochimica Acta</i> , 2007, 52, 6707-6718.	2.6	92
6	Micro-scale modelling of solid oxide fuel cells with micro-structurally graded electrodes. <i>Journal of Power Sources</i> , 2007, 168, 369-378.	4.0	125
7	Electrodeposition of lead zirconate titanate nanotubes. <i>Journal of Materials Science</i> , 2008, 43, 4753-4759.	1.7	30
8	Electrophoretic Deposition of Dense Sr ²⁺ and Mg ²⁺ Doped LaGaO ₃ Electrolyte Films on Porous La ³⁺ Doped Ceria for Intermediate Temperature Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2008, 8, 344-350.	1.5	25
9	Polyetheretherketone (PEEK) Coatings on Stainless Steel by Electrophoretic Deposition. <i>Advanced Engineering Materials</i> , 2008, 10, 559-564.	1.6	49
10	Electrophoretic deposition: From traditional ceramics to nanotechnology. <i>Journal of the European Ceramic Society</i> , 2008, 28, 1353-1367.	2.8	617
11	AC plasma electrolytic oxidation of magnesium with zirconia nanoparticles. <i>Applied Surface Science</i> , 2008, 254, 6937-6942.	3.1	144
12	Nanosized TiN/SBR hybrid coating of stainless steel as bipolar plates for polymer electrolyte membrane fuel cells. <i>Electrochimica Acta</i> , 2008, 54, 574-581.	2.6	24
13	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. <i>Carbon</i> , 2008, 46, 1727-1735.	5.4	118
14	Facile fabrication of a nanosphere film from layered double hydroxide nanosheets using an electrophoretic deposition method. <i>Electrochemistry Communications</i> , 2008, 10, 1264-1267.	2.3	10
15	Polyelectrolyte layer-by-layer self-assembly enhanced by electric field and their multilayer membranes for separating isopropanol/water mixtures. <i>Journal of Membrane Science</i> , 2008, 320, 73-77.	4.1	68
16	Preparation of titania microfiltration membranes supported on porous Ti-Al alloys. <i>Journal of Membrane Science</i> , 2008, 325, 546-552.	4.1	31
17	The Electrophoretic Deposition of Lanthanum Manganite Powders for a Cathode-Supported Solid Oxide Fuel Cell in Planar and Tubular Configurations. <i>International Journal of Applied Ceramic Technology</i> , 2008, 5, 548-556.	1.1	7
18	Conductive Polymer Coating on Nonconductive Ceramic Substrates for Use in the Electrophoretic Deposition Process. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1674-1677.	1.9	26

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19	Fabrication of Yttria-Stabilized Zirconia Coatings Using Electrophoretic Deposition: Packing Mechanism During Deposition. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1102-1109.	1.9	51
20	Phosphate Esters as Dispersants for the Cathodic Electrophoretic Deposition of Alumina Suspensions. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1923-1926.	1.9	20
21	Bubble-Free Aqueous Electrophoretic Deposition (EPD) by Pulse-Potential Application. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3154-3159.	1.9	68
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37	Pulsed-DC Electrophoretic Deposition (EPD) of Aqueous Alumina Suspension for Controlling Bubble Incorporation and Deposit Microstructure. Key Engineering Materials, 0, 412, 39-44.	0.4	10
38	Aging Behavior of Yttria Stabilized Zirconia (YSZ) in Non Aqueous Suspensions for Electrophoretic Deposition Application. Key Engineering Materials, 0, 412, 279-285.	0.4	8
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56	Fabrication of monolithic microstructures from polyaniline nanofibers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 162, 111-115.	1.7	11
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60	Electrophoretic Deposition of Dense La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.115} Co _{0.085} O _{3-δ} Electrolyte Films from Single-Phase Powders for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1999-2004.	1.9	9
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63	Optimization of titanium dioxide film prepared by electrophoretic deposition for dye-sensitized solar cell application. <i>Thin Solid Films</i> , 2009, 517, 4663-4667.	0.8	58
64	Electrophoretically deposited alumina as protective overlay for thermal barrier coatings against CMAS degradation. <i>Surface and Coatings Technology</i> , 2009, 204, 797-801.	2.2	66
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69	Calcium phosphate coatings for bio-implant applications: Materials, performance factors, and methodologies. <i>Materials Science and Engineering Reports</i> , 2009, 66, 1-70.	14.8	559
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71	Barium hexaferrite suspensions for electrophoretic deposition. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 456-463.	5.0	29
72	Electrophoretic deposition of bioactive glass/polymer composite coatings with and without HA nanoparticle inclusions for biomedical applications. <i>Journal of Materials Processing Technology</i> , 2009, 209, 1853-1860.	3.1	157

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79	Ultralow-Dielectric-Constant Films Prepared from Hollow Polyimide Nanoparticles Possessing Controllable Core Sizes. <i>Chemistry of Materials</i> , 2009, 21, 419-424.	3.2	93
80	Effects of multiwall carbon nanotubes in reducing microcrack formation on electrophoretically deposited TiO ₂ film. <i>Journal of Alloys and Compounds</i> , 2009, 476, 840-846.	2.8	57
81	Studies on electrophoretic deposition of nanocrystalline SDC electrolyte films. <i>Journal of Alloys and Compounds</i> , 2009, 484, 795-800.	2.8	15
82	Electrophoretic Deposition of Manganese Dioxide/Multiwalled Carbon Nanotube Composites for Electrochemical Supercapacitors. <i>Langmuir</i> , 2009, 25, 9684-9689.	1.6	122
83	From Nanoparticles to Nanoplates: Preferential Oriented Connection of Ag Colloids during Electrophoretic Deposition. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7692-7696.	1.5	44
84	Thermal and Mechanical Properties of Zirconia Coatings Produced by Electrophoretic Deposition. , 2009, , 1-10.		0
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113	Effect of pH localization on microstructure evolution of deposits during aqueous electrophoretic deposition (EPD). <i>Journal of the European Ceramic Society</i> , 2010, 30, 2467-2473.	2.8	32
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115	The role of addition of water to non-aqueous suspensions in electrophoretically deposited YSZ films for SOFCs. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9434-9439.	3.8	28
116	The role of electrical conductivity of substrate on the YSZ film formed by EPD for solid oxide fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9405-9410.	3.8	13
117	Co- γ -Al ₂ O ₃ -Cu as shaped catalyst in NaBH ₄ hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6583-6591.	3.8	35
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125	Cobalt-supported alumina as catalytic film prepared by electrophoretic deposition for hydrogen release applications. <i>Applied Surface Science</i> , 2010, 256, 7684-7691.	3.1	23
126	Synthesis of multiscale reinforcement fabric by electrophoretic deposition of amine-functionalized carbon nanofibers onto carbon fiber layers. <i>Carbon</i> , 2010, 48, 3256-3259.	5.4	52

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127	Electrophoretic Codeposition of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3\lambda}$ and Carbon Nanotubes for Developing Composite Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. International Journal of Applied Ceramic Technology, 2010, 7, 30-40.	1.1	16
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146	Electrophoresis of a Charge-Regulated Soft Sphere in a Charged Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1621-1631.	1.2	25
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