Khiam Aik Khor

List of Publications by Year
in descending order

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206 papers	13,657 citations	13068 68 h-index	28224 105 g-index
210 all docs	210 docs citations	210 times ranked	11401 citing authors

#	Article	IF	Citations
1	The emergence of graphene research topics through interactions within and beyond. Quantitative Science Studies, 2022, 3, 457-484.	1.6	0
2	Graphene oxide-functionalized nanocomposites promote osteogenesis of human mesenchymal stem cells via enhancement of BMP-SMAD1/5 signaling pathway. Biomaterials, 2021, 277, 121082.	5.7	41
3	Incorporating silicaâ€coated graphene in bioceramic nanocomposites to simultaneously enhance mechanical and biological performance. Journal of Biomedical Materials Research - Part A, 2020, 108, 1016-1027.	2.1	9
4	A sintered graphene/titania material as a synthetic keratoprosthesis skirt for end-stage corneal disorders. Acta Biomaterialia, 2019, 94, 585-596.	4.1	10
5	Discharge and densification in the spark plasma sintering of quasicrystal particles. Journal of Materials Science, 2019, 54, 8727-8742.	1.7	8
6	Preparation and Properties of Coatings and Thin Films on Metal Implants. , 2019, , 203-212.		16
7	3D superhydrophobic reduced graphene oxide for activated NO₂ sensing with enhanced immunity to humidity. Journal of Materials Chemistry A, 2018, 6, 478-488.	5.2	116
8	Liâ€Ion Batteries: Multifunctional 0Dâ€"2D Ni₂P Nanocrystalsâ€"Black Phosphorus Heterostructure (Adv. Energy Mater. 2/2017). Advanced Energy Materials, 2017, 7, .	10.2	0
9	Minority Carrier Blocking to Enhance the Thermoelectric Performance of Solution-Processed Bi_xSb_{2â€"x}Te₃ Nanocomposites via a Liquid-Phase Sintering Process. ACS Applied Materials & Interfaces, 2017, 9, 12501-12510.	4.0	46
10	Multifunctional bioceramic-based composites reinforced with silica-coated carbon nanotube core-shell structures. Ceramics International, 2017, 43, 16084-16093.	2.3	15
11	Optimization of spark plasma sintered titania for potential application as a keratoprosthesis skirt. Journal of Biomedical Materials Research - Part A, 2017, 105, 3502-3513.	2.1	6
12	Mechanical, tribological and biological properties of novel 45S5 BioglassÂ® composites reinforced with in situ reduced graphene oxide. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 77-89.	1.5	42
13	Multifunctional 0Dâ€"2D Ni₂P Nanocrystalsâ€"Black Phosphorus Heterostructure. Advanced Energy Materials, 2017, 7, 1601285.	10.2	149
14	Hydroxyapatite Bioceramics Reinforced with Silica-Coated Graphene. Key Engineering Materials, 2017, 758, 150-154.	0.4	2
15	An Airâ€Stable Densely Packed Phosphoreneâ€"Graphene Composite Toward Advanced Lithium Storage Properties. Advanced Energy Materials, 2016, 6, 1600453.	10.2	167
16	Lithium Storage: An Air-Stable Densely Packed Phosphorene-Graphene Composite Toward Advanced Lithium Storage Properties (Adv. Energy Mater. 12/2016). Advanced Energy Materials, 2016, 6, .	10.2	2
17	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2016, 8, 10985-10994.	4.0	29
18	Optical and biological properties of transparent nanocrystalline hydroxyapatite obtained through spark plasma sintering. Materials Science and Engineering C, 2016, 69, 956-966.	3.8	18

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19	Enhanced thermoelectric performance of solution-derived bismuth telluride based nanocomposites via liquid-phase Sintering. Nano Energy, 2016, 30, 630-638.	8.2	78
20	Application of Graphene as Candidate Biomaterial for Synthetic Keratoprosthesis Skirt. , 2015, 56, 6605.		20
21	Controlled growth of bismuth antimony telluride Bi Sb2â^'Te3 nanoplatelets and their bulk thermoelectric nanocomposites. Nano Energy, 2015, 15, 688-696.	8.2	94
22	Multifunctional Alumina Composites with Toughening and Crackâ€Healing Features Via Incorporation of NiAl Particles. Journal of the American Ceramic Society, 2015, 98, 1618-1625.	1.9	12
23	Influence of Cold-Sprayed, Warm-Sprayed, and Plasma-Sprayed Layers Deposition on Fatigue Properties of Steel Specimens. Journal of Thermal Spray Technology, 2015, 24, 758-768.	1.6	23
24	Modification of Plasma-sprayed TiO2 Coatings Characteristics via Controlling the In-flight Temperature and Velocity of the Powder Particles. Journal of Thermal Spray Technology, 2014, 23, 1339-1349.	1.6	17
25	Influence of plasma and cold spray deposited Ti Layers on high-cycle fatigue properties of Ti6Al4V substrates. Surface and Coatings Technology, 2013, 217, 23-33.	2.2	76
26	In-Flight Temperature and Velocity of Powder Particles of Plasma-Sprayed TiO2. Journal of Thermal Spray Technology, 2013, 22, 1320-1327.	1.6	15
27	In vitro effect of a corrosive hostile ocular surface on candidate biomaterials for keratoprosthesis skirt. British Journal of Ophthalmology, 2012, 96, 1252-1258.	2.1	11
28	Fabrication and spectroscopic characterization of Ce3+ doped Sr2Y8(SiO4)6O2 translucent ceramics. Optical Materials, 2012, 34, 1155-1160.	1.7	20
29	Synthesis and characterization on atomphospheric plasma sprayed amorphous silica doped hydrxoyapatite coatings. Surface and Coatings Technology, 2012, 206, 4659-4665.	2.2	18
30	Interface Driven Energy Filtering of Thermoelectric Power in Spark Plasma Sintered Bi₂Te_{2.7}Se_{0.3} Nanoplatelet Composites. Nano Letters, 2012, 12, 4305-4310.	4.5	149
31	In vivo evaluation of titanium oxide and hydroxyapatite as an artificial cornea skirt. Journal of Materials Science: Materials in Medicine, 2012, 23, 1063-1072.	1.7	24
32	Spark plasma sintering of solâ€"gel derived 45S5 BioglassÂ®-ceramics: Mechanical properties and biocompatibility evaluation. Materials Science and Engineering C, 2012, 32, 494-502.	3.8	36
33	Role of in-flight temperature and velocity of powder particles on plasma sprayed hydroxyapatite coating characteristics. Surface and Coatings Technology, 2012, 206, 2181-2191.	2.2	46
34	Neutron diffraction residual strain measurements in nanostructured hydroxyapatite coatings for orthopaedic implants. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 2043-2054.	1.5	21
35	Pressureless spark plasma sintering of alumina micro-channel part produced by micro powder injection molding. Scripta Materialia, 2011, 64, 237-240.	2.6	17
36	Bond strength determination of hydroxyapatite coatings on Tiâ€6Alâ€4V substrates using the LAser Shock Adhesion Test (LASAT). Journal of Biomedical Materials Research - Part A, 2010, 95A, 1096-1104.	2.1	43

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37	Development of Translucent Oxyapatite Ceramics by Spark Plasma Sintering. Journal of the American Ceramic Society, 2010, 93, 3060-3063.	1.9	7
38	Characterization of spark plasma sintered Ag nanopowders. Nanotechnology, 2010, 21, 115707.	1.3	26
39	Residual stress of ruthenium powder samples compacted by spark-plasma-sintering (SPS) determined by X-ray diffraction. International Journal of Refractory Metals and Hard Materials, 2009, 27, 105-110.	1.7	18
40	Determination of the residual stress depth profile of uniaxial compacted ruthenium powder samples by X-ray diffraction. International Journal of Refractory Metals and Hard Materials, 2009, 27, 1004-1008.	1.7	6
41	Protein expression profiles in osteoblasts in response to differentially shaped hydroxyapatite nanoparticles. Biomaterials, 2009, 30, 5385-5391.	5.7	108
42	Antibacterial Property of Cold-Sprayed HA-Ag/PEEK Coating. Journal of Thermal Spray Technology, 2009, 18, 10-15.	1.6	77
43	Antibacterial Property of Cold Sprayed Chitosan-Cu/Al Coating. Journal of Thermal Spray Technology, 2009, 18, 600-608.	1.6	33
44	Synthesis and Characterization of Neodymium(III) and Gadolinium(III)â€Substituted Hydroxyapatite as Biomaterials. International Journal of Applied Ceramic Technology, 2009, 6, 501-512.	1.1	24
45	Preparation and characterization of a novel hydroxyapatite/carbon nanotubes composite and its interaction with osteoblast-like cells. Materials Science and Engineering C, 2009, 29, 44-49.	3.8	92
46	In vitro effect of magnesium inclusion in solâ€"gel derived apatite. Thin Solid Films, 2008, 516, 5176-5180.	0.8	14
47	Evaluation of adhesion strength and toughness of fluoridated hydroxyapatite coatings. Thin Solid Films, 2008, 516, 5162-5167.	0.8	54
48	The adhesion strength and residual stress of colloidal-sol gel derived Î²-Tricalcium-Phosphate/Fluoridated-Hydroxyapatite biphasic coatings. Thin Solid Films, 2008, 516, 3251-3255.	0.8	22
49	Comparative proteomics profile of osteoblasts cultured on dissimilar hydroxyapatite biomaterials: An iTRAQâ€coupled 2â€D LCâ€MS/MS analysis. Proteomics, 2008, 8, 4249-4258.	1.3	31
50	Initial attachment of osteoblastic cells onto solâ€gel derived fluoridated hydroxyapatite coatings. Journal of Biomedical Materials Research - Part A, 2008, 84A, 769-776.	2.1	28
51	Effects of Titania Content and Sintering Temperature on Structural, Mechanical and Bioactive Behaviors of Titania Reinforced Hydroxyapatite Nanocomposites. Advanced Engineering Materials, 2008, 10, B53.	1.6	3
52	Hydroxyapatite/titania nanocomposites derived by combining high-energy ball milling with spark plasma sintering processes. Journal of the European Ceramic Society, 2008, 28, 3083-3090.	2.8	81
53	Osteoblastic cell response on magnesium-incorporated apatite coatings. Applied Surface Science, 2008, 255, 304-307.	3.1	47
54	The effect of boron-pack refreshment on the boriding of mild steel by the spark plasma sintering (SPS) process. Surface and Coatings Technology, 2008, 202, 2830-2836.	2.2	9

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55	An interfacial study of solâ€"gel-derived magnesium apatite coatings on Ti6Al4V substrates. Thin Solid Films, 2008, 516, 5172-5175.	0.8	20
56	Residual stress in spark-plasma-sintered and hot-pressed tantalum samples determined by X-ray diffraction methods. International Journal of Refractory Metals and Hard Materials, 2008, 26, 312-317.	1.7	14
57	Chitosan-mediated crystallization and assembly of hydroxyapatite nanoparticles into hybrid nanostructured films. Journal of the Royal Society Interface, 2008, 5, 427-439.	1.5	56
58	Sulfur Tolerance and Hydrocarbon Stability of La[sub 0.75]Sr[sub 0.25]Cr[sub 0.5]Mn[sub 0.5]O[sub 3]âˆ•Gd[sub 0.2]Ce[sub 0.8]O[sub 1.9] Composite Anode under Anodic Polarization. Journal of the Electrochemical Society, 2007, 154, B1206.	1.3	37
59	Ti and Ti-6Al-4V Coatings by Cold Spraying and Microstructure Modification by Heat Treatment. Advanced Engineering Materials, 2007, 9, 418-423.	1.6	86
60	Multilayer assembly of positively charged polyelectrolyte and negatively charged glucose oxidase on a 3D Nafion network for detecting glucose. Biosensors and Bioelectronics, 2007, 22, 3256-3260.	5.3	28
61	A novel amperometric biosensor based on ZnO:Co nanoclusters for biosensing glucose. Biosensors and Bioelectronics, 2007, 23, 135-139.	5.3	165
62	Transparent and flexible glucose biosensor via layer-by-layer assembly of multi-wall carbon nanotubes and glucose oxidase. Electrochemistry Communications, 2007, 9, 1269-1275.	2.3	141
63	Adhesive and bending failure of thermal sprayed hydroxyapatite coatings: Effect of nanostructures at interface and crack propagation phenomenon during bending. Engineering Fracture Mechanics, 2007, 74, 1894-1903.	2.0	56
64	Physicochemical differences after densifying radio frequency plasma sprayed hydroxyapatite powders using spark plasma and conventional sintering techniques. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 457, 24-32.	2.6	18
65	High-performance (La,Sr)(Cr,Mn)O3/(Gd,Ce)O2âˆ'Î´ composite anode for direct oxidation of methane. Journal of Power Sources, 2007, 165, 34-40.	4.0	47
66	Texture and structure evolution of tantalum powder samples during spark-plasma-sintering (SPS) and conventional hot-pressing. International Journal of Refractory Metals and Hard Materials, 2007, 25, 280-285.	1.7	44
67	Chemical analysis of silica doped hydroxyapatite biomaterials consolidated by a spark plasma sintering method. Journal of Inorganic Biochemistry, 2007, 101, 187-195.	1.5	102
68	Influence of spraying conditions on thermal and velocity properties of plasma sprayed hydroxyapatite. Materials Science and Engineering C, 2007, 27, 340-344.	3.8	66
69	Apparent Solubility of Hydroxyapatite in Aqueous Medium and Its Influence on the Morphology of Nanocrystallites with Precipitation Temperature. Langmuir, 2006, 22, 11002-11008.	1.6	61
70	Conductometric Study of Precursor Compound Formation during Wet-Chemical Synthesis of Nanocrystalline Hydroxyapatite. Journal of Physical Chemistry B, 2006, 110, 24457-24462.	1.2	19
71	On the Kinetics of Apatite Growth on Substrates under Physiological Conditions. Langmuir, 2006, 22, 269-276.	1.6	7
72	Anode-supported solid oxide fuel cell with yttria-stabilized zirconia/gadolinia-doped ceria bilayer electrolyte prepared by wet ceramic co-sintering process. Journal of Power Sources, 2006, 162, 1036-1042.	4.0	91

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73	(La0.75Sr0.25)(Cr0.5Mn0.5)O3/YSZ composite anodes for methane oxidation reaction in solid oxide fuel cells. Solid State Ionics, 2006, 177, 149-157.	1.3	128
74	Characteristics of the nanostructures in thermal sprayed hydroxyapatite coatings and their influence on coating properties. Surface and Coatings Technology, 2006, 201, 2147-2154.	2.2	28
75	Boride layer growth kinetics during boriding of molybdenum by the Spark Plasma Sintering (SPS) technology. Surface and Coatings Technology, 2006, 201, 2849-2853.	2.2	34
76	Effect of Steam Treatment During Plasma Spraying on the Microstructure of Hydroxyapatite Splats and Coatings. Journal of Thermal Spray Technology, 2006, 15, 610-616.	1.6	16
77	Biocompatible Nanostructured High-Velocity Oxyfuel Sprayed Titania Coating: Deposition, Characterization, and Mechanical Properties. Journal of Thermal Spray Technology, 2006, 15, 623-627.	1.6	24
78	(La0.8Sr0.2)0.9MnO3â€"Gd0.2Ce0.8O1.9 composite cathodes prepared from (Gd, Ce)(NO3) x -modified (La0.8Sr0.2)0.9MnO3 for intermediate-temperature solid oxide fuel cells. Journal of Solid State Electrochemistry, 2006, 10, 339-347.	1.2	33
79	High-performance low-temperature solid oxide fuel cell with novel BSCF cathode. Journal of Power Sources, 2006, 161, 123-128.	4.0	189
80	Influence of Input Parameters on Splat Formation and Coating Thermal Diffusivity in Plasma Spraying. Advanced Engineering Materials, 2006, 8, 645-650.	1.6	7
81	Spark plasma sintering of Sm2O3-doped aluminum nitride. Journal of the European Ceramic Society, 2005, 25, 1057-1065.	2.8	45
82	Spark-plasma-sintering (SPS) of nanostructured titanium carbonitride powders. Journal of the European Ceramic Society, 2005, 25, 1919-1927.	2.8	72
83	Effects of incorporation of HA/ZrO2 into glass ionomer cement (GIC). Biomaterials, 2005, 26, 713-720.	5.7	104
84	Formation of hard tungsten boride layer by spark plasma sintering boriding. Thin Solid Films, 2005, 478, 232-237.	0.8	65
85	Microstructure modifications and phase transformation in plasma-sprayed WCâ€"Co coatings following post-spray spark plasma sintering. Surface and Coatings Technology, 2005, 194, 96-102.	2.2	47
86	Microstructure and mechanical properties of spark plasma sintered zirconia-hydroxyapatite nano-composite powders. Acta Materialia, 2005, 53, 2327-2335.	3.8	142
87	FeB/FeB phase transformation during SPS pack-boriding: Boride layer growth kinetics. Acta Materialia, 2005, 53, 2361-2368.	3.8	204
88	Characterisation of a duplex TiO2/CaP coating on Ti6Al4V for hard tissue replacement. Biomaterials, 2005, 26, 1087-1095.	5.7	73
89	HVOF spraying of nanostructured hydroxyapatite for biomedical applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 396, 181-187.	2.6	95
90	Radio frequency (rf) plasma spheroidized HA powders: powder characterization and spark plasma sintering behavior. Biomaterials, 2005, 26, 2197-2207.	5.7	43

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91	Development of zirconia-glass ionomer cement composites. Journal of Non-Crystalline Solids, 2005, 351, 508-514.	1.5	35
92	Defect Chemistry of La[sub 1â^'x]Sr[sub x]MnO[sub 3Â±Î´] under Cathodic Polarization. Electrochemical and Solid-State Letters, 2004, 7, A144.	2.2	27
93	Effect of solid carbide particle size on deposition behaviour, microstructure and wear performance of HVOF cermet coatings. Materials Science and Technology, 2004, 20, 1087-1096.	0.8	56
94	An Improved Anode Micro Model of SOFC. Electrochemical and Solid-State Letters, 2004, 7, A63.	2.2	26
95	Tensionâ€"tension fatigue behavior of hydroxyapatite reinforced polyetheretherketone composites. International Journal of Fatigue, 2004, 26, 49-57.	2.8	84
96	Development of LSM/YSZ composite cathode for anode-supported solid oxide fuel cells. Journal of Applied Electrochemistry, 2004, 34, 409-415.	1.5	53
97	Microstructure and mechanical properties of plasma sprayed HA/YSZ/Tiâ€"6Alâ€"4V composite coatings. Biomaterials, 2004, 25, 4009-4017.	5.7	115
98	Bone-like apatite layer formation on hydroxyapatite prepared by spark plasma sintering (SPS). Biomaterials, 2004, 25, 4127-4134.	5.7	187
99	Low-temperature SOFC with thin film GDC electrolyte prepared in situ by solid-state reaction. Solid State Ionics, 2004, 170, 9-15.	1.3	215
100	Overcoming the effect of contaminant in solid oxide fuel cell (SOFC) electrolyte: spark plasma sintering (SPS) of 0.5wt.% silica-doped yttria-stabilized zirconia (YSZ). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 64-71.	2.6	40
101	Preparation and characterization of nano-sized hydroxyapatite powders produced in a radio frequency (rf) thermal plasma. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 101-108.	2.6	86
102	Microstructure-property modifications in plasma sprayed 20 wt.% yttria stabilized zirconia electrolyte by spark plasma sintering (SPS) technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 366, 120-126.	2.6	45
103	Spark-plasma-sintering (SPS) of nanostructured and submicron titanium oxide powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 381, 16-19.	2.6	63
104	Significance of melt-fraction in HVOF sprayed hydroxyapatite particles, splats and coatings. Biomaterials, 2004, 25, 1177-1186.	5.7	59
105	Thermal sprayed hydroxyapatite splats: nanostructures, pore formation mechanisms and TEM characterization. Biomaterials, 2004, 25, 3463-3471.	5.7	48
106	Performance evaluation of anode-supported solid oxide fuel cells with thin film YSZ electrolyte. International Journal of Hydrogen Energy, 2004, 29, 1025-1033.	3.8	258
107	Electrochemical behavior of La(Sr)MnO3 electrode under cathodic and anodic polarization. Solid State Ionics, 2004, 167, 379-387.	1.3	83
108	Restoring WC in plasma sprayed WCâ€"Co coatings through spark plasma sintering (SPS). Surface and Coatings Technology, 2004, 182, 308-317.	2.2	38

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109	Process-microstructure-property relationships in controlled atmosphere plasma spraying of ceramics. Surface and Coatings Technology, 2004, 183, 204-211.	2.2	33
110	Characterization of hydroxyapatite/nano-zirconia composite coatings deposited by high velocity oxy-fuel (HVOF) spray process. Surface and Coatings Technology, 2004, 182, 227-236.	2.2	46
111	Spark plasma sintered hydroxyapatite-yttria stabilized zirconia composites. Ceramics International, 2004, 30, 1793-1796.	2.3	38
112	Raman spectroscopy determination of phases within thermal sprayed hydroxyapatite splats and subsequent in vitro dissolution examination. Acta Materialia, 2004, 52, 445-453.	3.8	72
113	Phase composition and heat of crystallisation of amorphous calcium phosphate in ultra-fine radio frequency suspension plasma sprayed hydroxyapatite powders. Acta Materialia, 2004, 52, 1171-1181.	3.8	38
114	Activity of plasma sprayed yttria stabilized zirconia reinforced hydroxyapatite/Tiâ€“6Alâ€“4V composite coatings in simulated body fluid. Biomaterials, 2004, 25, 3177-3185.	5.7	106
115	Simulation of a composite cathode in solid oxide fuel cells. Electrochimica Acta, 2004, 49, 1851-1861.	2.6	154
116	Temperature Driven Morphological Changes of Chemically Precipitated Hydroxyapatite Nanoparticles. Langmuir, 2004, 20, 5196-5200.	1.6	207
117	Characterization of hydroxyapatiteâ€“ and bioglassâ€“316L fibre composites prepared by spark plasma sintering. Materials Letters, 2004, 58, 304-307.	1.3	33
118	Processing of biocomposite Ti-6Al-4V/HA powder. Journal of Materials Science Letters, 2003, 22, 775-778.	0.5	4
119	Injection molding of 316L stainless steel microstructures. Microsystem Technologies, 2003, 9, 507-510.	1.2	18
120	Cyclic voltammetry of (La,Sr)MnO3 electrode on YSZ substrate. Solid State Ionics, 2003, 164, 17-25.	1.3	28
121	TEM and STEM analysis on heat-treated and in vitro plasma-sprayed hydroxyapatite/Ti-6Al-4V composite coatings. Biomaterials, 2003, 24, 97-105.	5.7	66
122	Laminated and functionally graded hydroxyapatite/yttria stabilized tetragonal zirconia composites fabricated by spark plasma sintering. Biomaterials, 2003, 24, 667-675.	5.7	110
123	In vitro behavior of HVOF sprayed calcium phosphate splats and coatings. Biomaterials, 2003, 24, 723-735.	5.7	41
124	Characterization of the bone-like apatite precipitated on high velocity oxy-fuel (HVOF) sprayed calcium phosphate deposits. Biomaterials, 2003, 24, 769-775.	5.7	43
125	Impact formation and microstructure characterization of thermal sprayed hydroxyapatite/titania composite coatings. Biomaterials, 2003, 24, 949-957.	5.7	97
126	In vitro studies of plasma-sprayed hydroxyapatite/Ti-6Al-4V composite coatings in simulated body fluid (SBF). Biomaterials, 2003, 24, 1603-1611.	5.7	213

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127	Processingâ€“microstructureâ€“property relations in HVOF sprayed calcium phosphate based bioceramic coatings. Biomaterials, 2003, 24, 2233-2243.	5.7	38
128	Tensile properties, tensionâ€“tension fatigue and biological response of polyetheretherketoneâ€“hydroxyapatite composites for load-bearing orthopedic implants. Biomaterials, 2003, 24, 2245-2250.	5.7	344
129	Radio frequency (RF) suspension plasma sprayed ultra-fine hydroxyapatite (HA)/zirconia composite powders. Biomaterials, 2003, 24, 2611-2621.	5.7	36
130	Effect of spark plasma sintering on the microstructure and in vitro behavior of plasma sprayed HA coatings. Biomaterials, 2003, 24, 2695-2705.	5.7	111
131	Effect of thermal exposure on the microstructure and properties of EB-PVD gradient thermal barrier coatings. Surface and Coatings Technology, 2003, 168, 23-29.	2.2	38
132	Plasma spraying of functionally graded hydroxyapatite/Tiâ€“6Alâ€“4V coatings. Surface and Coatings Technology, 2003, 168, 195-201.	2.2	115
133	Mechanical properties of injection molded hydroxyapatite-polyetheretherketone biocomposites. Composites Science and Technology, 2003, 63, 421-425.	3.8	164
134	A simple bilayer electrolyte model for solid oxide fuel cells. Solid State Ionics, 2003, 158, 29-43.	1.3	48
135	Effect of characteristics of Y2O3/ZrO2 powders on fabrication of anode-supported solid oxide fuel cells. Journal of Power Sources, 2003, 117, 26-34.	4.0	83
136	Identification of O2 reduction processes at yttria stabilized zirconia | doped lanthanum manganite interface. Journal of Power Sources, 2003, 123, 17-25.	4.0	104
137	Preparation yttria-stabilized zirconia electrolyte by spark-plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 341, 43-48.	2.6	68
138	Spark plasma reaction sintering of ZrO2â€“mullite composites from plasma spheroidized zircon/alumina powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 339, 286-296.	2.6	32
139	Effect of particulate morphology on the tensile behaviour of polymerâ€“hydroxyapatite composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 345, 47-54.	2.6	80
140	Tensile properties and microstructural analysis of spheroidized hydroxyapatiteâ€“poly (etheretherketone) biocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 345, 55-63.	2.6	81
141	Thermal conductivity and dielectric constant of spark plasma sintered aluminum nitride. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 347, 300-305.	2.6	139
142	Effect of spark plasma sintering (SPS) on the microstructure and mechanical properties of randomly packed hollow sphere (RHS) cell wall. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 356, 130-135.	2.6	35
143	Spark plasma sintering and in vitro study of ultra-fine HA and ZrO2â€“HA powders. Journal of Materials Processing Technology, 2003, 140, 420-425.	3.1	22
144	Densification of plasma sprayed YSZ electrolytes by spark plasma sintering (SPS). Journal of the European Ceramic Society, 2003, 23, 1855-1863.	2.8	93

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145	Development of (La,Sr)MnO[sub 3]-Based Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. Electrochemical and Solid-State Letters, 2003, 6, A67.	2.2	102
146	Ti-6A1-4V/HA composite feedstock for injection molding. Materials Letters, 2002, 56, 522-532.	1.3	37
147	Characterization of powder injection molding feedstock. Materials Characterization, 2002, 49, 313-320.	1.9	62
148	Surface characteristics and dissolution behavior of plasma-sprayed hydroxyapatite coating. Journal of Biomedical Materials Research Part B, 2002, 62, 228-236.	3.0	123
149	High-pressure plasma spraying of hydroxyapatite powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 325, 9-18.	2.6	40
150	Influence of microstructure on the ionic conductivity of yttria-stabilized zirconia electrolyte. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 335, 246-252.	2.6	199
151	An electrolyte model for ceramic oxygen generator and solid oxide fuel cell. Journal of Power Sources, 2002, 111, 320-328.	4.0	27
152	Microstructure and composition analysis in plasma sprayed coatings of Al2O3/ZrSiO4 mixtures. Surface and Coatings Technology, 2002, 150, 125-132.	2.2	19
153	Mechanical properties of the plasma-sprayed Al2O3/ZrSiO4 coatings. Surface and Coatings Technology, 2002, 150, 143-150.	2.2	20
154	Boriding of mild steel using the spark plasma sintering (SPS) technique. Surface and Coatings Technology, 2002, 157, 226-230.	2.2	49
155	Viscoelastic properties of plasma sprayed NiCoCrAlY coatings. Thin Solid Films, 2002, 405, 146-152.	0.8	12
156	Spark plasma sintering of hydroxyapatite powders. Biomaterials, 2002, 23, 37-43.	5.7	202
157	Titanium dioxide reinforced hydroxyapatite coatings deposited by high velocity oxy-fuel (HVOF) spray. Biomaterials, 2002, 23, 85-91.	5.7	172
158	High temperature in-situ XRD of plasma sprayed HA coatings. Biomaterials, 2002, 23, 381-387.	5.7	31
159	An in vitro investigation of plasma sprayed hydroxyapatite (HA) coatings produced with flame-spheroidized feedstock. Biomaterials, 2002, 23, 775-785.	5.7	129
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161	Properties of heat-treated calcium phosphate coatings deposited by high-velocity oxy-fuel (HVOF) spray. Biomaterials, 2002, 23, 2105-2112.	5.7	70
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