

# Rob C Pullar

## List of Publications by Year in descending order

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183  
papers

8,328  
citations

61857

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54797

84  
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190  
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190  
docs citations

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times ranked

8519  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Silica Gel Obtained from Early Cretaceous Sidi Aich Sands (Central Tunisia) and its Potential to Remove Pollutant Dye Anionic from Wastwaters. <i>Silicon</i> , 2022, 14, 2351-2362.	1.8	3
2	Robocasting of 3D printed and sintered ceria scaffold structures with hierarchical porosity for solar thermochemical fuel production from the splitting of CO <sub>2</sub> . <i>Nanoscale</i> , 2022, 14, 4994-5001.	2.8	10
3	Unravelling the Affinity of Alkali-Activated Fly Ash Cubic Foams towards Heavy Metals Sorption. <i>Materials</i> , 2022, 15, 1453.	1.3	10
4	Cork derived TiO <sub>2</sub> biomorphic ecoceramics. <i>Open Ceramics</i> , 2022, 9, 100243.	1.0	1
5	Green synthesis based X-type Ba <sup>2+</sup> Zn Hexaferrites: Their structural, Hysteresis, Mössbauer, dielectric and electrical properties. <i>Materials Chemistry and Physics</i> , 2022, 282, 125914.	2.0	7
6	High colouring efficiency, optical density and inserted charge in sol-gel derived electrochromic titania nanostructures. <i>Energy Advances</i> , 2022, 1, 321-330.	1.4	3
7	Design and development of Ga-substituted Z-type hexaferrites for microwave absorber applications: Mössbauer, static and dynamic properties. <i>Ceramics International</i> , 2021, 47, 1145-1162.	2.3	29
8	Efficiency of natural clay and titania P25 composites in the decolouring of methylene blue (MB) from aqueous solutions: dual adsorption and photocatalytic processes. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	8
9	Synthesis and characterisation of lead free BaFe <sub>12</sub> O <sub>19</sub> (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> magnetoelectric composites, and the comparison of various synthetic routes. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160819.	2.8	0
10	Pseudocapacitive behaviour in sol-gel derived electrochromic titania nanostructures. <i>Nanotechnology</i> , 2021, 32, 045703.	1.3	8
11	The role of calcium (source & content) on the in vitro behaviour of sol-gel quaternary glass series. <i>Ceramics International</i> , 2020, 46, 1065-1075.	2.3	4
12	Synthesis of red mud derived M-type barium hexaferrites with tuneable coercivity. <i>Ceramics International</i> , 2020, 46, 5757-5764.	2.3	3
13	Investigation of structural, magnetic and dielectric properties of gallium substituted Z-type Sr <sub>3</sub> Co <sub>2</sub> -Ga Fe <sub>24</sub> O <sub>41</sub> hexaferrites for microwave absorbers. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153470.	2.8	30
14	Biomimetic calcium carbonate with hierarchical porosity produced using cork as a sustainable template agent. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103594.	3.3	10
15	Geopolymer foams: An overview of recent advancements. <i>Progress in Materials Science</i> , 2020, 109, 100621.	16.0	161
16	Highly efficient lead extraction from aqueous solutions using inorganic polymer foams derived from biomass fly ash and metakaolin. <i>Journal of Environmental Management</i> , 2020, 272, 111049.	3.8	15
17	A Comparison of Bioactive Glass Scaffolds Fabricated by Robocasting from Powders Made by Sol-Gel and Melt-Quenching Methods. <i>Processes</i> , 2020, 8, 615.	1.3	20
18	Solar Redox Cycling of Ceria Structures Based on Fiber Boards, Foams, and Biomimetic Cork-Derived Ecoceramics for Two-Step Thermochemical H <sub>2</sub> O and CO <sub>2</sub> Splitting. <i>Energy &amp; Fuels</i> , 2020, 34, 9037-9049.	2.5	19

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19	Nanostructured titanium dioxide coatings prepared by Aerosol Assisted Chemical Vapour Deposition (AACVD). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112727.	2.0	20
20	Studies of structural, magnetic and dielectric properties of X-type Barium Zinc hexaferrite Ba <sub>2</sub> Zn <sub>2</sub> Fe <sub>28</sub> O <sub>46</sub> powder prepared by combustion treatment method using ginger root extract as a green reducing agent. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155120.	2.8	28
21	High performance cork-templated ceria for solar thermochemical hydrogen production via two-step water-splitting cycles. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3077-3089.	2.5	26
22	Films of chitosan and natural modified hydroxyapatite as effective UV-protecting, biocompatible and antibacterial wound dressings. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 1177-1185.	3.6	32
23	Bonded ferrite-based exchange-coupled nanocomposite magnet produced by Warm compaction. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 494003.	1.3	8
24	Robocasting: Prediction of ink printability in solgel bioactive glass. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1608-1618.	1.9	13
25	Cytotoxicity and bioactivity assessments for Cu <sup>2+</sup> and La <sup>3+</sup> doped high-silica sol-gel derived bioglasses: The complex interplay between additive ions revealed. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2680-2693.	2.1	7
26	Enhancement of maximum energy product in exchange-coupled BaFe <sub>12</sub> O <sub>19</sub> /Fe <sub>3</sub> O <sub>4</sub> core-shell-like nanocomposites. <i>Journal of Alloys and Compounds</i> , 2019, 806, 120-126.	2.8	28
27	Octylamine as a novel fuel for the preparation of magnetic iron oxide particles by an aqueous auto-ignition method. <i>Journal of Alloys and Compounds</i> , 2019, 805, 545-550.	2.8	3
28	Pyrolysed cork-geopolymer composites: A novel and sustainable EMI shielding building material. <i>Construction and Building Materials</i> , 2019, 229, 116930.	3.2	28
29	A Review of Solar Thermochemical CO <sub>2</sub> Splitting Using Ceria-Based Ceramics With Designed Morphologies and Microstructures. <i>Frontiers in Chemistry</i> , 2019, 7, 601.	1.8	72
30	Employment of phosphate solubilising bacteria on fish scales – Turning food waste into an available phosphorus source. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103403.	3.3	12
31	Clove and cinnamon: Novel anti-oxidant fuels for preparing magnetic iron oxide particles by the sol-gel auto-ignition method. <i>Journal of Alloys and Compounds</i> , 2019, 786, 71-76.	2.8	10
32	Guidelines to adjust particle size distributions by wet comminution of a bioactive glass determined by Taguchi and multivariate analysis. <i>Ceramics International</i> , 2019, 45, 3857-3863.	2.3	6
33	Comparison of low and high pressure infiltration regimes on the density and highly porous microstructure of ceria ecoceramics made from sustainable cork templates. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1287-1296.	2.8	12
34	Robocasting of Cu <sup>2+</sup> & La <sup>3+</sup> doped sol-gel glass scaffolds with greatly enhanced mechanical properties: Compressive strength up to 14 MPa. <i>Acta Biomaterialia</i> , 2019, 87, 265-272.	4.1	18
35	In-depth investigation of the long-term strength and leaching behaviour of inorganic polymer mortars containing green liquor dregs. <i>Journal of Cleaner Production</i> , 2019, 220, 630-641.	4.6	12
36	A sustainable multi-function biomorphic material for pollution remediation or UV absorption: Aerosol assisted preparation of highly porous ZnO-based materials from cork templates. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102936.	3.3	19

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37	Red mud-based inorganic polymer spheres bulk-type adsorbents and pH regulators. <i>Materials Today</i> , 2019, 23, 105-106.	8.3	8
38	The effects of Cu <sup>2+</sup> and La <sup>3+</sup> doping on the sintering ability of sol-gel derived high silica bioglasses. <i>Ceramics International</i> , 2019, 45, 10269-10278.	2.3	6
39	Sustainable and efficient cork - inorganic polymer composites: An innovative and eco-friendly approach to produce ultra-lightweight and low thermal conductivity materials. <i>Cement and Concrete Composites</i> , 2019, 97, 107-117.	4.6	38
40	Robocasting of ceramic glass scaffolds: Sol-gel glass, new horizons. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1625-1634.	2.8	28
41	Effect of surfactants on the optical and magnetic properties of cobalt-zinc ferrite Co <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2019, 774, 1250-1259.	2.8	48
42	Synthesis of porous biomass fly ash-based geopolymer spheres for efficient removal of methylene blue from wastewaters. <i>Journal of Cleaner Production</i> , 2019, 207, 350-362.	4.6	140
43	Stress induced magnetic-domain evolution in magnetoelectric composites. <i>Nanotechnology</i> , 2018, 29, 255702.	1.3	4
44	The influence of processing parameters on morphology and granulometry of a wet-milled sol-gel glass powder. <i>Ceramics International</i> , 2018, 44, 12754-12762.	2.3	7
45	Effects of catalysts on polymerization and microstructure of sol-gel derived bioglasses. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2831-2839.	1.9	10
46	Influence of Mg substitution on structural, magnetic and dielectric properties of X-type barium zinc hexaferrites Ba <sub>2</sub> Zn <sub>2-x</sub> Mg <sub>x</sub> Fe <sub>28</sub> O <sub>46</sub> . <i>Journal of Alloys and Compounds</i> , 2018, 741, 377-391.	2.8	100
47	Enhanced bioactivity of a rapidly-dried sol-gel derived quaternary bioglass. <i>Materials Science and Engineering C</i> , 2018, 91, 36-43.	3.8	18
48	Structural and complex electromagnetic properties of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) with an addition of niobium pentoxide. <i>Ceramics International</i> , 2018, 44, 915-921.	2.3	12
49	Synthesis and bioactivity assessment of high silica content quaternary glasses with C/P ratios of 1.5 and 1.67, made by a rapid sol-gel process. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 510-520.	2.1	13
50	BIONANOSCULP, an ongoing project in biotechnology applications for preventive conservation of outdoor sculptures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 364, 012075.	0.3	0
51	One-Step Synthesis, Structure, and Band Gap Properties of SnO <sub>2</sub> Nanoparticles Made by a Low Temperature Nonaqueous Sol-gel Technique. <i>ACS Omega</i> , 2018, 3, 13227-13238.	1.6	83
52	Biotechnology for Preventive Conservation: Development of Bionanomaterials for Antimicrobial Coating of Outdoor Sculptures. <i>Studies in Conservation</i> , 2018, 63, 230-233.	0.6	2
53	Solar thermochemical CO <sub>2</sub> splitting using cork-templated ceria ecoceramics. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 26, 552-563.	3.3	42
54	Innovative application for bauxite residue: Red mud-based inorganic polymer spheres as pH regulators. <i>Journal of Hazardous Materials</i> , 2018, 358, 69-81.	6.5	56

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55	Extremely fast and efficient methylene blue adsorption using eco-friendly cork and paper waste-based activated carbon adsorbents. <i>Journal of Cleaner Production</i> , 2018, 197, 1137-1147.	4.6	106
56	A sustainable replacement for TiO <sub>2</sub> in photocatalyst construction materials: Hydroxyapatite-based photocatalytic additives, made from the valorisation of food wastes of marine origin. <i>Journal of Cleaner Production</i> , 2018, 193, 115-127.	4.6	22
57	Incorporation of glass fibre fabrics waste into geopolymer matrices: An eco-friendly solution for off-cuts coming from wind turbine blade production. <i>Construction and Building Materials</i> , 2018, 187, 876-883.	3.2	38
58	Sequential piezoresponse force microscopy and the "small-data"™ problem. <i>Npj Computational Materials</i> , 2018, 4, .	3.5	14
59	Magnetic and Nanostructural Properties of Cobalt-Zinc Ferrite for Environmental Sensors. , 2018, , 1-18.		0
60	Ecoceramics. <i>Materials Today</i> , 2017, 20, 45-46.	8.3	18
61	Surface modified hydroxyapatites with various functionalized nanostructures: Computational studies of the vacancies in HAp. <i>Ferroelectrics</i> , 2017, 509, 105-112.	0.3	3
62	Purely Visible-Light-Induced Photochromism in Ag-TiO <sub>2</sub> Nanoheterostructures. <i>Langmuir</i> , 2017, 33, 4890-4902.	1.6	38
63	Production of silica gel from Tunisian sands and its adsorptive properties. <i>Journal of African Earth Sciences</i> , 2017, 130, 238-251.	0.9	16
64	A hundred times faster: Novel, rapid sol-gel synthesis of bio-glass nanopowders (Si-Na-Ca-P system, Ca:P = 1:1) by ETQq0000 rgBT /	1.0	22
65	Biphasic apatite-carbon materials derived from pyrolysed fish bones for effective adsorption of persistent pollutants and heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4884-4894.	3.3	47
66	Effective mechanical reinforcement of inorganic polymers using glass fibre waste. <i>Journal of Cleaner Production</i> , 2017, 166, 343-349.	4.6	41
67	Photocatalytic nano-composite architectural lime mortar for degradation of urban pollutants under solar and visible (interior) light. <i>Construction and Building Materials</i> , 2017, 152, 206-213.	3.2	17
68	Aerosol assisted chemical vapour deposition of hydroxyapatite-embedded titanium dioxide composite thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 45-53.	2.0	36
69	Effect of preparation and processing conditions on UV absorbing properties of hydroxyapatite-Fe <sub>2</sub> O <sub>3</sub> sunscreen. <i>Materials Science and Engineering C</i> , 2017, 71, 141-149.	3.8	30
70	Novel route for rapid sol-gel synthesis of hydroxyapatite, avoiding ageing and using fast drying with a 50-fold to 200-fold reduction in process time. <i>Materials Science and Engineering C</i> , 2017, 70, 796-804.	3.8	59
71	Aqueous Acid Orange 7 dye removal by clay and red mud mixes. <i>Applied Clay Science</i> , 2016, 126, 197-206.	2.6	52
72	Oxygen vacancies, the optical band gap (E <sub>g</sub> ) and photocatalysis of hydroxyapatite: Comparing modelling with measured data. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 100-107.	10.8	146

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73	Sensing properties and photochromism of Ag-TiO <sub>2</sub> nano-heterostructures. Journal of Materials Chemistry A, 2016, 4, 9600-9613.	5.2	45
74	Pt-decorated In <sub>2</sub> O <sub>3</sub> nanoparticles and their ability as a highly sensitive (<10 ppb) acetone sensor for biomedical applications. Sensors and Actuators B: Chemical, 2016, 230, 697-705.	4.0	97
75	High dielectric constant and capacitance in ultrasmall (2.5 nm) SrHfO <sub>3</sub> perovskite nanoparticles produced in a low temperature non-aqueous sol-gel route. RSC Advances, 2016, 6, 51493-51502.	1.7	19
76	Biomimetic cork-based CeO <sub>2</sub> ecoceramics for hydrogen generation using concentrated solar energy. Ci&Ancia & Tecnologia Dos Materiais, 2016, 28, 23-28.	0.5	6
77	Smallest Bimetallic CoPt <sub>3</sub> Superparamagnetic Nanoparticles. Journal of Physical Chemistry Letters, 2016, 7, 4039-4046.	2.1	12
78	Valorisation of industrial iron oxide waste to produce magnetic barium hexaferrite. ChemistrySelect, 2016, 1, 819-825.	0.7	5
79	Effective removal of anionic and cationic dyes by kaolinite and TiO <sub>2</sub> /kaolinite composites. Clay Minerals, 2016, 51, 19-27.	0.2	44
80	Effects of Cu, Zn and Cu-Zn addition on the microstructure and antibacterial and photocatalytic functional properties of Cu-Zn modified TiO <sub>2</sub> nano-heterostructures. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 330, 44-54.	2.0	27
81	Fast route for synthesis of stoichiometric hydroxyapatite by employing the Taguchi method. Materials and Design, 2016, 109, 547-555.	3.3	20
82	The Influence of Cu <sup>2+</sup> and Mn <sup>2+</sup> Ions on the Structure and Crystallization of Diopside-Calcium Pyrophosphate Bioglasses. International Journal of Applied Glass Science, 2016, 7, 345-354.	1.0	5
83	The effect of functional ions (Y <sup>3+</sup> , F <sup>2+</sup> , Ti <sup>4+</sup> ) on the structure, sintering and crystallization of diopside-calcium pyrophosphate bioglasses. Journal of Non-Crystalline Solids, 2016, 443, 162-171.	1.5	12
84	Combinatorial Materials Science, and a Perspective on Challenges in Data Acquisition, Analysis and Presentation. Springer Series in Materials Science, 2016, , 241-270.	0.4	2
85	Hidden value in low-cost inorganic pigments as potentially valuable magnetic materials. Ceramics International, 2016, 42, 9605-9612.	2.3	7
86	Truncated tetragonal bipyramidal anatase nanocrystals formed without use of capping agents from the supercritical drying of a TiO <sub>2</sub> sol. CrystEngComm, 2016, 18, 164-176.	1.3	13
87	Influence of sol counter-ions on the anatase-to-rutile phase transformation and microstructure of nanocrystalline TiO <sub>2</sub> . CrystEngComm, 2015, 17, 1813-1825.	1.3	11
88	Local manifestations of a static magnetoelectric effect in nanostructured BaTiO <sub>3</sub> -BaFe <sub>12</sub> O <sub>9</sub> composite multiferroics. Nanoscale, 2015, 7, 4489-4496.	2.8	32
89	Nitrogen-modified nano-titania: True phase composition, microstructure and visible-light induced photocatalytic NO abatement. Journal of Solid State Chemistry, 2015, 231, 87-100.	1.4	18
90	Hydroxyapatite-based materials of marine origin: A bioactivity and sintering study. Materials Science and Engineering C, 2015, 51, 309-315.	3.8	53

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91	Nano-titania doped with europium and neodymium showing simultaneous photoluminescent and photocatalytic behaviour. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4970-4986.	2.7	45
92	Silver-containing calcium phosphate materials of marine origin with antibacterial activity. <i>Ceramics International</i> , 2015, 41, 10152-10159.	2.3	24
93	Magnetic wood-based biomorphic Sr <sub>3</sub> Co <sub>2</sub> Fe <sub>24</sub> O <sub>41</sub> Z-type hexaferrite ecoceramics made from cork templates. <i>Materials and Design</i> , 2015, 82, 297-303.	3.3	24
94	Computational study of hydroxyapatite structures, properties and defects. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 195302.	1.3	59
95	Cu-TiO <sub>2</sub> Hybrid Nanoparticles Exhibiting Tunable Photochromic Behavior. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23658-23668.	1.5	37
96	Quantitative XRD characterisation and gas-phase photocatalytic activity testing for visible-light (indoor applications) of KRONOClean 7000 <sup>®</sup> . <i>RSC Advances</i> , 2015, 5, 102911-102918.	1.7	40
97	Novel nanosynthesis of In <sub>2</sub> O <sub>3</sub> and its application as a resistive gas sensor for sevoflurane anesthetic. <i>Journal of Materials Chemistry B</i> , 2015, 3, 399-407.	2.9	21
98	Light induced antibacterial activity and photocatalytic properties of Ag/Ag <sub>3</sub> PO <sub>4</sub> -based material of marine origin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 296, 40-47.	2.0	50
99	Characterization and antimicrobial properties of food packaging methylcellulose films containing stem extract of Ginja cherry. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 2097-2103.	1.7	21
100	Magnetic Properties of Aligned C <sub>60</sub> Z Hexagonal Z-Ferrite Fibers. <i>International Journal of Applied Ceramic Technology</i> , 2014, 11, 451-456.	1.1	5
101	Magnetic Properties of Ferrite Ceramics Made from Wastes. <i>Waste and Biomass Valorization</i> , 2014, 5, 133-138.	1.8	12
102	Hydroxyapatite and chloroapatite derived from sardine by-products. <i>Ceramics International</i> , 2014, 40, 13231-13240.	2.3	36
103	Visible light activated photocatalytic behaviour of rare earth modified commercial TiO <sub>2</sub> . <i>Materials Research Bulletin</i> , 2014, 50, 183-190.	2.7	59
104	Influence of sol counter-ions on the visible light induced photocatalytic behaviour of TiO <sub>2</sub> nanoparticles. <i>Catalysis Science and Technology</i> , 2014, 4, 2134-2146.	2.1	26
105	Non-aqueous sol-gel synthesis through a low-temperature solvothermal process of anatase showing visible-light photocatalytic activity. <i>RSC Advances</i> , 2014, 4, 46762-46770.	1.7	18
106	Silver-Modified Nano-titania as an Antibacterial Agent and Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4751-4766.	1.5	81
107	A hydroxyapatite-Fe <sub>2</sub> O <sub>3</sub> based material of natural origin as an active sunscreen filter. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5999-6009.	2.9	50
108	Fully quantitative X-ray characterisation of Evonik Aeroxide TiO <sub>2</sub> P25 <sup>®</sup> . <i>Materials Letters</i> , 2014, 122, 345-347.	1.3	66

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109	Molecular modeling of the piezoelectric effect in the ferroelectric polymer poly(vinylidene fluoride) (PVDF). <i>Journal of Molecular Modeling</i> , 2013, 19, 3591-3602.	0.8	78
110	Sol-gel synthesis, characterisation and photocatalytic activity of pure, W-, Ag- and W/Ag co-doped TiO <sub>2</sub> nanopowders. <i>Chemical Engineering Journal</i> , 2013, 214, 364-375.	6.6	73
111	Modeling of switching and piezoelectric phenomena in polyvinylidene fluoride (PVDF). , 2013, , .		2
112	A Computational Study of the Properties and Surface Interactions of Hydroxyapatite. <i>Ferroelectrics</i> , 2013, 449, 94-101.	0.3	22
113	Natural Portuguese clayey materials and derived TiO <sub>2</sub> -containing composites used for decolouring methylene blue (MB) and orange II (OII) solutions. <i>Applied Clay Science</i> , 2013, 83-84, 91-98.	2.6	30
114	Introduction to the special issue for ISAF-ECAPD-PFM 2012. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1549-1550.	1.7	0
115	Study of polar and electrical properties of Hydroxyapatite: Modeling and data analysis. , 2013, , .		0
116	Compositional and chromatic properties of strontium hexaferrite as pigment for ceramic bodies and alternative synthesis from wiredrawing sludge. <i>Dyes and Pigments</i> , 2013, 96, 659-664.	2.0	11
117	Nanosized titania modified with tungsten and silver: Microstructural characterisation of a multifunctional material. <i>Applied Surface Science</i> , 2013, 287, 276-281.	3.1	13
118	Phase composition, crystal structure and microstructure of silver and tungsten doped TiO <sub>2</sub> nanopowders with tuneable photochromic behaviour. <i>Acta Materialia</i> , 2013, 61, 5571-5585.	3.8	53
119	Titanium dioxide modified with transition metals and rare earth elements: Phase composition, optical properties, and photocatalytic activity. <i>Ceramics International</i> , 2013, 39, 2619-2629.	2.3	47
120	Calcium phosphate-based materials of natural origin showing photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6452.	5.2	57
121	Bacteria immobilisation on hydroxyapatite surface for heavy metals removal. <i>Journal of Environmental Management</i> , 2013, 121, 87-95.	3.8	77
122	Extraction and characterisation of apatite- and tricalcium phosphate-based materials from cod fish bones. <i>Materials Science and Engineering C</i> , 2013, 33, 103-110.	3.8	129
123	Aligned Co <sub>2</sub> Z Hexagonal Ferrite Fibers. <i>Additional Conferences (Device Packaging HiTEC HiTEN &amp; Tj ETQq1 1 0.784314 rgBT<sub>0</sub>/Overlo</i>	0.2	0
124	Polarization of poly(vinylidene fluoride) and poly(vinylidene fluoride-trifluoroethylene) thin films revealed by emission spectroscopy with computational simulation during phase transition. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	32
125	BioFerroelectricity: Diphenylalanine Peptide Nanotubes Computational Modeling and Ferroelectric Properties at the Nanoscale. <i>Ferroelectrics</i> , 2012, 440, 3-24.	0.3	47
126	Combinatorial Bulk Ceramic Magnetoelectric Composite Libraries of Strontium Hexaferrite and Barium Titanate. <i>ACS Combinatorial Science</i> , 2012, 14, 425-433.	3.8	23



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127	Chromatic Properties of Industrial Solid Waste Based Ferrites. Waste and Biomass Valorization, 2012, 3, 375-378.	1.8	4
128	Hexagonal ferrites: A review of the synthesis, properties and applications of hexaferrite ceramics. Progress in Materials Science, 2012, 57, 1191-1334.	16.0	1,981
129	Magnetic properties of randomly oriented BaM, SrM, Co <sub>2</sub> Y, Co <sub>2</sub> Z and Co <sub>2</sub> W hexagonal ferrite fibres. Journal of the European Ceramic Society, 2012, 32, 905-913.	2.8	57
130	The Rapid Discovery of Novel Dielectric and Magnetic Ceramics, and Structure-Property Relationships, through Combinatorial High Throughput Methods. Additional Conferences (Device Packaging HITEC) Tj ETQq0 0 0 0 BT /Overlock 10 Tf		
131	Local probing of magnetoelectric coupling in multiferroic composites of BaFe <sub>12</sub> O <sub>19</sub> â€“BaTiO <sub>3</sub> . Journal of Applied Physics, 2010, 108, .	1.1	43
132	Structures, phase transitions and microwave dielectric properties of the 6H perovskites Ba <sub>3</sub> BSb <sub>2</sub> O <sub>9</sub> , B=Mg, Ca, Sr, Ba. Journal of Solid State Chemistry, 2009, 182, 479-483.	1.4	12
133	Dielectric measurements on a novel Ba <sub>1-x</sub> Ca <sub>x</sub> TiO <sub>3</sub> (BCT) bulk ceramic combinatorial library. Journal of Electroceramics, 2009, 22, 245-251.	0.8	51
134	The Synthesis, Properties, and Applications of Columbite Niobates (M <sup>2+</sup> Nb <sub>2</sub> O <sub>6</sub> ): A Critical Review. Journal of the American Ceramic Society, 2009, 92, 563-577.	1.9	136
135	Dielectric loss caused by oxygen vacancies in titania ceramics. Journal of the European Ceramic Society, 2009, 29, 419-424.	2.8	155
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