Fausto Rubio Alonso

List of Publications by Year
in descending order

106 papers	2,566 citations	236925 25 h-index	214800 47 g-index
106 all docs	106 docs citations	106 times ranked	3587 citing authors

#	Article	IF	Citations
1	Easy and Efficient Recovery of EMIMCl from Cellulose Solutions by Addition of Acetic Acid and the Transition from the Original Ionic Liquid to an Eutectic Mixture. Molecules, 2022, 27, 987.	3.8	3
2	Insights into the structural and surface characteristics of microporous carbide derived carbons obtained through single and double halogen etching. Microporous and Mesoporous Materials, 2021, 310, 110675.	4.4	4
3	Insights into the Microstructural Evolution Occurring during Pyrolysis of Metal-Modified Ceramers Studied through Selective SiO2 Removal. Materials, 2021, 14, 3276.	2.9	3
4	Preparation and Properties of Sustainable Brake Pads with Recycled End-of-Life Tire Rubber Particles. Polymers, 2021, 13, 3371.	4.5	5
5	Structural, textural and electrochemical relationships in HF etched cobalt-silicon micro/mesoporous oxycarbides. Ceramics International, 2020, 46, 9380-9388.	4.8	2
6	Characterization of polymer-derived ceramers subjected to wet-etching and the evolution of the carbon phase during thermal conversion. Journal of Non-Crystalline Solids, 2020, 547, 120302.	3.1	2
7	Influence of heating temperatures on structure and microstructure of chamotteâ€“carbon composites. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2020, 61, 54-54.	1.9	0
8	Enhancing the fracture toughness of hierarchical composites through aminoâ€'functionalised carbon nanotube webs. Composites Part B: Engineering, 2019, 165, 537-544.	12.0	40
9	Dependence of the synthetic strategy on the thermochemical energy storage capability of CuxCo3-xO4 spinels. Journal of the European Ceramic Society, 2018, 38, 1583-1591.	5.7	6
10	Further characterization of the surface properties of the SiC particles through complementarity of XPS and IGC-ID techniques. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2018, 57, 231-239.	1.9	24
11	Synthesis of glass ceramics from kaolin and dolomite mixture. International Journal of Minerals, Metallurgy and Materials, 2017, 24, 194-201.	4.9	12
12	Ion exchange effect on the structural and mechanical behavior of colored glasses. Journal of the Australian Ceramic Society, 2017, 53, 787-794.	1.9	2
13	Coloration and structure behavior after silver and copper nanoparticles formation in soda lime glass. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 1166-1172.	0.9	1
14	Textural characteristics, degree of protonation, water uptake and proton transport properties relationships in colloidal solâ€“gel derived micro-Âand mesoporous silica membranes. International Journal of Hydrogen Energy, 2016, 41, 5748-5757.	7.1	5
15	Tailoring the textural properties of hierarchical porous carbons using deep eutectic solvents. Journal of Materials Chemistry A, 2016, 4, 9146-9159.	10.3	39
16	Combined pyrolysis-ammonolysis treatment to retain C during nitridation of SiBOCN ceramics. Journal of the Ceramic Society of Japan, 2016, 124, 996-1002.	1.1	8
17	Effect of the surface parameters on the interaction of epoxy polymer supports with a lipase enzyme. Polymer Bulletin, 2015, 72, 195-218.	3.3	0
18	Interactions between the glass fiber coating and oxidized carbon nanotubes. Applied Surface Science, 2015, 330, 383-392.	6.1	40

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19	Effect of processing on the structural characteristics of sintered silicon oxycarbide materials. Journal of Non-Crystalline Solids, 2014, 391, 23-31.	3.1	18
20	Influence of nanotube physicochemical properties on the decoration of multiwall carbon nanotubes with magnetic particles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	6
21	Surface properties of bioactive TEOSâ€“PDMSâ€“TiO2â€“CaO ormosils. Journal of Materials Science, 2014, 49, 4656-4669.	3.7	10
22	Structure properties relationship in silicon oxycarbide glasses obtained by spark plasma sintering. Ceramics International, 2014, 40, 11351-11358.	4.8	10
23	Adsorbent tannin foams: New and complementary applications in wastewater treatment. Chemical Engineering Journal, 2013, 228, 575-582.	12.7	24
24	Highly photoactive anatase nanoparticles obtained using trifluoroacetic acid as an electron scavenger and morphological control agent. Journal of Materials Chemistry A, 2013, 1, 14358.	10.3	13
25	Influence of processing conditions in TEOS/PDMS derived silicon oxycarbide materials. Part 1: Microstructure and properties. Journal of the European Ceramic Society, 2013, 33, 1195-1205.	5.7	46
26	Optimization of tannin rigid foam as adsorbents for wastewater treatment. Industrial Crops and Products, 2013, 49, 507-514.	5.2	49
27	Surface and Structural Modification of Nanostructured Mesoporous Silicon Oxycarbide Glasses Obtained from Preceramic Hybrids Aged in <scp>NH</scp>₄<scp>OH</scp>. Journal of the American Ceramic Society, 2013, 96, 323-330.	3.8	11
28	Influence of silane concentration on the silanization of multiwall carbon nanotubes. Carbon, 2013, 57, 520-529.	10.3	51
29	Influencia de la molienda en la energÃa superficial de fritas para esmaltes. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, 55-62.	1.9	0
30	Chitosan, Gelatin and Poly(L-Lysine) Polyelectrolyte-Based Scaffolds and Films for Neural Tissue Engineering. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 207-232.	3.5	21
31	Synthesis and characterization of boron silicon oxycarbide glass fibers. Journal of Non-Crystalline Solids, 2012, 358, 155-162.	3.1	23
32	Crystallization mechanism of glass-ceramics prepared from Niâ€“Cuâ€“Co mining wastes. Journal of Non-Crystalline Solids, 2012, 358, 3028-3035.	3.1	9
33	Non-symmetric superparamagnetic clusters in the relaxor manganites Sr2â^'xBixMnTiO6 (0 â‰¤ x â‰¤ 0.75). Journal of Materials Chemistry, 2012, 22, 11826.	6.7	11
34	Microstructure of low temperature processed CNFs/glass nanocomposites. Journal of Materials Science, 2012, 47, 5169-5180.	3.7	4
35	Dense bulk silicon oxycarbide glasses obtained by spark plasma sintering. Journal of the European Ceramic Society, 2012, 32, 3369-3378.	5.7	39
36	Influencia del tamaÃ±o del material hÃbrido en las caracterÃsticas de los oxicarburos de silicio obtenidos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2012, 51, 157-164.	1.9	3

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37	Characterization of surface and porous properties of synthetic hybrid lamellar silica. Journal of Non-Crystalline Solids, 2011, 357, 951-957.	3.1	8
38	Silane Coupling Agent Structures on Carbon Nanofibers. Journal of Nanoscience and Nanotechnology, 2011, 11, 4142-4152.	0.9	11
39	Processing and properties of carbon nanofibers reinforced epoxy powder composites. Journal of Nanoparticle Research, 2011, 13, 6021-6034.	1.9	5
40	Analysis of the interaction of vinyl and carbonyl silanes with carbon nanofiber surfaces. Carbon, 2011, 49, 1635-1645.	10.3	21
41	Texture and micro-nanostructure of porous silicon oxycarbide glasses prepared from hybrid materials aged in different solvents. Journal of the European Ceramic Society, 2011, 31, 1791-1801.	5.7	24
42	Study of arsenopyrite weathering products in mine wastes from abandoned tungsten and tin exploitations. Journal of Hazardous Materials, 2011, 186, 590-601.	12.4	69
43	Positron annihilation study of defect distribution in 8YSZ nanostructure. Solid State Ionics, 2011, 190, 67-74.	2.7	3
44	Effect of reaction conditions on surface properties of TEOSâ€“TBOTâ€“PDMS hybrid materials. Journal of Sol-Gel Science and Technology, 2010, 55, 94-104.	2.4	5
45	Multipod structures of ZnO hydrothermally grown in the presence of Zn3P2. Materials Research Bulletin, 2010, 45, 1586-1592.	5.2	14
46	Block-Copolymer assisted synthesis of hierarchical carbon monoliths suitable as supercapacitor electrodes. Journal of Materials Chemistry, 2010, 20, 773-780.	6.7	114
47	Resorcinol-Formaldehyde Polycondensation in Deep Eutectic Solvents for the Preparation of Carbons and Carbonâ^'Carbon Nanotube Composites. Chemistry of Materials, 2010, 22, 2711-2719.	6.7	126
48	Effect of Ti concentration on the structure and texture of SiTiOC glasses. Materials Characterization, 2009, 60, 506-512.	4.4	12
49	Surface changes during pyrolytic conversion of hybrid materials to oxycarbide glasses. Journal of Materials Science, 2009, 44, 5743-5753.	3.7	5
50	PPO15-PEO22-PPO15 block copolymer assisted synthesis of monolithic macro- and microporous carbon aerogels exhibiting high conductivity and remarkable capacitance. Journal of Materials Chemistry, 2009, 19, 1236.	6.7	82
51	Application of Gradient and Confocal Raman Spectroscopy to Analyze Silver Nanoparticle Diffusion in Medieval Glasses. Journal of Nano Research, 2009, 8, 89-97.	0.8	13
52	Study of the Silanization Process in CNFs: Time, Temperature, Silane Type and Concentration Influence. Journal of Nano Research, 2009, 4, 33-43.	0.8	9
53	Gradient pore size distributions in porous silicon oxycarbide materials. Journal of the European Ceramic Society, 2008, 28, 1871-1879.	5.7	21
54	AplicaciÃ³n de las espectroscopias IR/ATR y Raman al estudio de la superficie de vidrios sometidos a molturaciÃ³n. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2008, 47, 89-94.	1.9	7

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55	Poly(vinyl alcohol) Scaffolds with Tailored Morphologies for Drug Delivery and Controlled Release. Advanced Functional Materials, 2007, 17, 3505-3513.	14.9	189
56	Transport properties of fast proton conducting mesoporous silica xerogels. Journal of Power Sources, 2007, 167, 53-57.	7.8	25
57	Siliconâ€“titanium oxycarbide glasses as bimodal porous inorganic membranes. Journal of the European Ceramic Society, 2007, 27, 969-973.	5.7	15
58	Study of the hydrolysis and condensation of Î³-Aminopropyltriethoxysilane by FT-IR spectroscopy. Journal of Materials Science, 2007, 42, 595-603.	3.7	162
59	Estudio de la hidrÃ³lisis del trietilborato por espectroscopÃa infrarroja: evaluaciÃ³n de geles de borosilicato. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2007, 46, 247-252.	1.9	0
60	Surface chemical and physical properties of TEOS-TBOT-PDMS hybrid materials. Journal of Sol-Gel Science and Technology, 2006, 38, 133-145.	2.4	12
61	DegradaciÃ³n tÃ©rmica de nanocomposites TEOS/resol y γ-APS/resol. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 379-388.	1.9	2
62	CaracterizaciÃ³n superficial de distintos materiales de construcciÃ³n. Materiales De Construccion, 2006, 56, .	0.7	4
63	Preparation and characterization of tubular ceramic membranes for treatment of oil emulsions. Journal of the European Ceramic Society, 2005, 25, 1895-1903.	5.7	96
64	Preparation and sintering behaviour of spinel-type CoxNiMn2â^'xO4 (0.2â‰¤xâ‰¤1.2) by the ethylene glycolâ€“metal nitrate polymerized complex process. Journal of the European Ceramic Society, 2005, 25, 3021-3025.	5.7	7
65	Synthesis and sintering behaviour of spinel-type CoxNiMn2â^'xO4 (0.2â‰¤xâ‰¤1.2) prepared by the ethylene glycolâ€“metal nitrate polymerized complex process. Ceramics International, 2005, 31, 599-610.	4.8	25
66	Influence of Boron Concentration on the Surface Properties of TEOS-PDMS Hybrid Materials. Journal of Sol-Gel Science and Technology, 2005, 36, 113-124.	2.4	7
67	The Role of Î³ -Aminopropyltriethoxysilane (Î³ -APS) on Thermal Stability of TEOS-PDMS Ormosils. Journal of Sol-Gel Science and Technology, 2005, 36, 77-85.	2.4	16
68	Estudio por espectroscopÃa infrarroja de la reacciÃ³n de obtenciÃ³n de geles de borosilicato con diferentes relaciones Si/B. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 387-392.	1.9	1
69	Effect of Pyrolysis Temperature on the Texture of Ormoborosil Materials for Obtaining SiBOC Oxycarbide Glasses. Key Engineering Materials, 2004, 264-268, 1847-1850.	0.4	1
70	Influence of TiO2 on the Pore Structure and Texture of SiO2-PDMS Hybrid Materials. Materials Research Society Symposia Proceedings, 2004, 847, 35.	0.1	0
71	Characterization of the Pyrolysis Process and Structure of Silicon Oxycarbide Based Materials from Organically Modified Silicate Gels. Key Engineering Materials, 2004, 264-268, 351-354.	0.4	1
72	Preparation and powder characterization of spinel-type Co x NiMn 2â^'x O 4 (0.2â©½ x â©½1.2) by the ethylene glycolâ€“metal nitrate polymerized complex process. Journal of the European Ceramic Society, 2004, 24, 3035-3042.	5.7	16

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73	Characterisation of the pyrolysis process of boron-containing ormosils by FT-IR analysis. Journal of Analytical and Applied Pyrolysis, 2004, 71, 827-845.	5.5	17
74	FTâ€IR Study of the Hydrolysis and Polymerization of Tetraethyl Orthosilicate and Polydimethyl Siloxane in the Presence of Tetrabutyl Orthotitanate. Spectroscopy Letters, 2004, 37, 11-31.	1.0	72
75	Nanostructure and Micromechanical Properties of Silica/Silicon Oxycarbide Porous Composites. Journal of the American Ceramic Society, 2004, 87, 2093-2100.	3.8	16
76	Seguimiento por espectroscopia infrarroja (FT-IR) de la copolimerizaciÃ³n de TEOS (tetraetilortosilicato) y PDMS (polidimetilsiloxano) en presencia de tbt (tetrabutiltitanio). Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 883-890.	1.9	25
77	Synthesis of inorganic-organic hybrid materials from TEOS, TBT and PDMS. Journal of Materials Science, 2003, 38, 1773-1780.	3.7	66
78	FT-IR and Porosity Study of Si-B-C-O Materials Obtained from TEOS-TEB-PDMS Derived Gel Precursors. Journal of Sol-Gel Science and Technology, 2003, 26, 195-199.	2.4	17
79	Infiltration of SiO2/SiOC Nanocomposites by a Multiple Sol Infiltration-Pyrolysis Process. Journal of Sol-Gel Science and Technology, 2003, 26, 511-516.	2.4	13
80	Surface characterization of carbon fibers by inverse gas chromatography at low pressures. Journal of Materials Research, 2002, 17, 413-422.	2.6	2
81	A FT-IR Study of the Synthesis of Boron Ormosils by Means of the Sol-Gel Process. Journal of Sol-Gel Science and Technology, 2002, 25, 255-263.	2.4	11
82	AnÃ¡lisis del tratamiento en medio Ã¡cido de partÃculas de pizarra. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2002, 41, 393-398.	1.9	0
83	Surface Energy of Silica-TEOS-PDMS Ormosils. Journal of Sol-Gel Science and Technology, 2001, 20, 197-210.	2.4	16
84	ReacciÃ³n del ÃŽÂ³-aminopropiltrietoxisilano (ÃŽÂ³-APS) con partÃculas de pizarra. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2001, 40, 101-106.	1.9	3
85	Effect of TiO2 on the Pore Structure of SiO2-PDMS Ormosils. Journal of Sol-Gel Science and Technology, 2000, 18, 105-113.	2.4	14
86	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 18, 115-118.	2.4	12
87	DSC and FT-IR analysis of the drying process of titanium alkoxide derived precipitates. Thermochimica Acta, 1999, 326, 91-97.	2.7	57
88	Inverse gas chromatography: a new approach to the estimation of specific interactions. Journal of Chromatography A, 1999, 845, 53-66.	3.7	31
89	Study of the reaction of Î³ â€“ methacryloxypropyltrimethoxysilane (Î³ â€“ MPS) with slate surfaces. Journal of Materials Science, 1999, 34, 3867-3873.	3.7	47
90	Title is missing!. Journal of Materials Science, 1999, 34, 3397-3404.	3.7	5

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91	Hydrolysis of Titanium Tetrabutoxide. Study by FT-IR Spectroscopy. Spectroscopy Letters, 1999, 32, 289-304.	1.0	39
92	Title is missing!. Journal of Materials Science Letters, 1998, 17, 1839-1842.	0.5	7
93	Analysis by DSC of the drying and sintering processes of alkoxide-derived SiO2â€“ZrO2 gels. Thermochimica Acta, 1998, 320, 231-238.	2.7	7
94	Surface energy distributions on silicoborate glasses. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 139, 227-239.	4.7	7
95	A FT-IR Study of the Hydrolysis of Tetraethylorthosilicate (TEOS).. Spectroscopy Letters, 1998, 31, 199-219.	1.0	270
96	Application of Inverse Gas Chromatography to the Study of the Surface Properties of Slates. Clays and Clay Minerals, 1997, 45, 670-680.	1.3	39
97	Further Insights into the Porous Structure of TEOS Derived Silica Gels. Journal of Sol-Gel Science and Technology, 1997, 8, 159-163.	2.4	1
98	Surface Energy Changes of Heat Treated TEOS Derived Silica Xerogels. Journal of Sol-Gel Science and Technology, 1997, 10, 31-44.	2.4	6
99	Effect of heating on the surface fractal dimensions of ZrO₂. Journal of Materials Science Letters, 1997, 16, 49-52.	0.5	18
100	Further insights into the porous structure of TEOS derived silica gels. Journal of Sol-Gel Science and Technology, 1997, 8, 159-163.	2.4	8
101	A DSC study of the drying process of TEOS derived wet silica gels. Thermochimica Acta, 1997, 307, 51-56.	2.7	34
102	Effect of alcohol/alkoxide ratio on the porosity of zirconia gels.. Studies in Surface Science and Catalysis, 1994, , 419-427.	1.5	1
103	Distribution of active sites on E-glass surface. Journal of Materials Science Letters, 1992, 11, 1501-1503.	0.5	2
104	Corrosion of SiC fibres with HNO3. Journal of Materials Science, 1991, 26, 2841-2845.	3.7	8
105	Synthesis and Characterization of Silicon Oxycarbide Derived Nanocomposites Obtained through Ceramic Processing of TEOS/PDMS Preceramic Materials. Journal of Nano Research, 0, 14, 27-38.	0.8	23
106	Pore Structure and Texture of Organic/Inorganic Hybrid Materials. Ceramic Engineering and Science Proceedings, 0, , 387-397.	0.1	0