

Pedro GÃ³mez Romero

List of Publications by Year in descending order

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223
papers

14,772
citations

19657

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242
all docs

242
docs citations

242
times ranked

15191
citing authors

#	ARTICLE	IF	CITATIONS
1	Dramatic Drop in Cell Resistance through Induced Dipoles and Bipolar Electrochemistry. <i>Journal of the Electrochemical Society</i> , 2022, 169, 016508.	2.9	3
2	Coherent Integration of Organic Gel Polymer Electrolyte and Ambipolar Polyoxometalate Hybrid Nanocomposite Electrode in a Compact High-Performance Supercapacitor. <i>Nanomaterials</i> , 2022, 12, 514.	4.1	9
3	Rational design of MXene/activated carbon/polyoxometalate triple hybrid electrodes with enhanced capacitance for organic-electrolyte supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 947-961.	9.4	21
4	Sheet-on-sheet like calcium ferrite and graphene nanoplatelets nanocomposite: A multifunctional nanocomposite for high-performance supercapacitor and visible light driven photocatalysis. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121646.	2.9	24
5	Optimisation of NiO electrodeposition on 3D graphene electrode for electrochemical energy storage using response surface methodology. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 114992.	3.8	19
6	MOF-derived conformal cobalt oxide/C composite material as high-performance electrode in hybrid supercapacitors. <i>Electrochimica Acta</i> , 2021, 389, 138657.	5.2	26
7	Polyoxometalates (POMs): from electroactive clusters to energy materials. <i>Energy and Environmental Science</i> , 2021, 14, 1652-1700.	30.8	184
8	Graphene triggered enhancement in visible-light active photocatalysis as well as in energy storage capacity of (CFO) _{1-x} (GNPs) _x nanocomposites. <i>Ceramics International</i> , 2020, 46, 2630-2639.	4.8	11
9	Highly Loaded Mildly Edge-Oxidized Graphene Nanosheet Dispersions for Large-Scale Inkjet Printing of Electrochemical Sensors. <i>ChemElectroChem</i> , 2020, 7, 460-468.	3.4	11
10	Dual Carbon Potassium-Ion Capacitors: Biomass-Derived Graphene-like Carbon Nanosheet Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48518-48525.	8.0	47
11	Can polyoxometalates enhance the capacitance and energy density of activated carbon in organic electrolyte supercapacitors?. <i>Electrochimica Acta</i> , 2020, 362, 137007.	5.2	22
12	Fabrication of 3D binder-free graphene NiO electrode for highly stable supercapattery. <i>Scientific Reports</i> , 2020, 10, 11214.	3.3	60
13	Enhancement of organophosphate degradation by electroactive pyrrole and imidazole copolymers. <i>Electrochimica Acta</i> , 2020, 338, 135842.	5.2	9
14	Polypyrrole Nanopipes as a Promising Cathode Material for Li-Ion Batteries and Li-Ion Capacitors: Two-in-One Approach. <i>Energy Technology</i> , 2019, 7, 193-200.	3.8	27
15	Development of low-melting point molten salts and detection of solid-to-liquid transitions by alternative techniques to DSC. <i>Solar Energy Materials and Solar Cells</i> , 2019, 202, 110107.	6.2	8
16	Modification of the Raman Spectra in Graphene-Based Nanofluids and Its Correlation with Thermal Properties. <i>Nanomaterials</i> , 2019, 9, 804.	4.1	17
17	Metal-Organic Framework (MOF) Derived Electrodes with Robust and Fast Lithium Storage for Li-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2019, 29, 1900532.	14.9	141
18	From Thermal to Electroactive Graphene Nanofluids. <i>Energies</i> , 2019, 12, 4545.	3.1	11

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19	Fully printed one-step biosensing device using graphene/AuNPs composite. <i>Biosensors and Bioelectronics</i> , 2019, 129, 238-244.	10.1	39
20	Ultrathin Hierarchical Porous Carbon Nanosheets for High-Performance Supercapacitors and Redox Electrolyte Energy Storage. <i>Advanced Materials</i> , 2018, 30, e1705789.	21.0	309
21	Hybrid Graphene-Polyoxometalates Nanofluids as Liquid Electrodes for Dual Energy Storage in Novel Flow Cells. <i>Chemical Record</i> , 2018, 18, 1076-1084.	5.8	33
22	Unveiling BiVO ₄ nanorods as a novel anode material for high performance lithium ion capacitors: beyond intercalation strategies. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6096-6106.	10.3	78
23	Energy harvesting from neutralization reactions with saline feedback. <i>Electrochimica Acta</i> , 2018, 275, 145-154.	5.2	2
24	Towards flexible solid-state supercapacitors for smart and wearable electronics. <i>Chemical Society Reviews</i> , 2018, 47, 2065-2129.	38.1	1,338
25	All nanocarbon Li-Ion capacitor with high energy and high power density. <i>Materials Today Energy</i> , 2018, 8, 109-117.	4.7	52
26	On the Enhancement of the Thermal Conductivity of Graphene-Based Nanofluids. , 2018, , .		1
27	Synthesis and Characterization of Porous Sulfur/MWCNTs Composites with Improved Performance and Safety as Cathodes for Li-S Batteries. <i>International Journal of Electrochemical Science</i> , 2018, , 551-562.	1.3	1
28	Battery and supercapacitor materials in flow cells. Electrochemical energy storage in a LiFePO ₄ /reduced graphene oxide aqueous nanofluid. <i>Electrochimica Acta</i> , 2018, 281, 594-600.	5.2	20
29	Design and Fabrication of Printed Paper-Based Hybrid Micro-Supercapacitor by using Graphene and Redox-Active Electrolyte. <i>ChemSusChem</i> , 2018, 11, 1849-1856.	6.8	46
30	Mechanisms behind the enhancement of thermal properties of graphene nanofluids. <i>Nanoscale</i> , 2018, 10, 15402-15409.	5.6	49
31	Synthesis and Characterization of Mesoporous FePO ₄ as Positive Electrode Materials for Lithium Batteries. <i>Surface Engineering and Applied Electrochemistry</i> , 2018, 54, 55-63.	0.8	1
32	(Invited) Hybrid Electrodes and Materials for Hybrid Energy Storage. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
33	Ultrathin Mesoporous RuCo ₂ O ₄ Nanoflakes: An Advanced Electrode for High-Performance Asymmetric Supercapacitors. <i>ChemSusChem</i> , 2017, 10, 1771-1782.	6.8	72
34	V ₂ O ₅ encapsulated MWCNTs in 2D surface architecture: Complete solid-state bendable highly stabilized energy efficient supercapacitor device. <i>Scientific Reports</i> , 2017, 7, 43430.	3.3	148
35	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12384-12395.	7.1	110
36	Direct electrodeposition of imidazole modified poly(pyrrole) copolymers: synthesis, characterization and supercapacitive properties. <i>Electrochimica Acta</i> , 2017, 243, 260-269.	5.2	28

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37	Ultra-high energy density supercapacitors through a double hybrid strategy. <i>Materials Today Energy</i> , 2017, 5, 58-65.	4.7	27
38	Functionalization of Polypyrrole Nanopipes with Redox-Active Polyoxometalates for High Energy Density Supercapacitors. <i>ChemSusChem</i> , 2017, 10, 731-737.	6.8	53
39	Asymmetric Supercapacitors Based on Reduced Graphene Oxide with Different Polyoxometalates as Positive and Negative Electrodes. <i>ChemSusChem</i> , 2017, 10, 2742-2750.	6.8	89
40	Hurdles to organic quinone flow cells. Electrode passivation by quinone reduction in acetonitrile Li electrolytes. <i>Journal of Power Sources</i> , 2017, 350, 9-17.	7.8	10
41	BiVO ₄ Fern Architectures: A Competitive Anode for Lithium-Ion Batteries. <i>ChemSusChem</i> , 2017, 10, 4163-4169.	6.8	31
42	Mimics of microstructures of Ni substituted Mn ^{1-x} Ni _x Co ₂ O ₄ for high energy density asymmetric capacitors. <i>Chemical Engineering Journal</i> , 2017, 307, 300-310.	12.7	76
43	Influence of texture in hybrid carbon-phosphomolybdic acid materials on their performance as electrodes in supercapacitors. <i>Carbon</i> , 2017, 111, 74-82.	10.3	18
44	Capacitive vs Faradaic Energy Storage in a Hybrid Cell with LiFePO ₄ /RGO Positive Electrode and Nanocarbon Negative Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6140-A6146.	2.9	3
45	Fundamentals of Binary Metal Oxide-Based Supercapacitors. , 2017, , 79-98.		9
46	Electroactive graphene nanofluids for fast energy storage. <i>2D Materials</i> , 2016, 3, 031004.	4.4	31
47	Ag:BiVO ₄ dendritic hybrid-architecture for high energy density symmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7580-7584.	10.3	71
48	Energy in Transition. , 2016, , 3-23.		0
49	Asymmetric Supercapacitor Based on Nanostructured Ce-doped NiO (Ce:NiO) as Positive and Reduced Graphene Oxide (rGO) as Negative Electrode. <i>ChemistrySelect</i> , 2016, 1, 3471-3478.	1.5	44
50	Fern-like rGO/BiVO ₄ Hybrid Nanostructures for High-Energy Symmetric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31602-31610.	8.0	111
51	Aqueous synthesis of LiFePO ₄ with Fractal Granularity. <i>Scientific Reports</i> , 2016, 6, 27024.	3.3	37
52	Hybrid core-shell nanostructured electrodes made of polypyrrole nanotubes coated with Ni(OH) ₂ nanoflakes for high energy-density supercapacitors. <i>RSC Advances</i> , 2016, 6, 15062-15070.	3.6	40
53	Growth of polypyrrole nanostructures through reactive templates for energy storage applications. <i>Electrochimica Acta</i> , 2016, 191, 346-354.	5.2	42
54	Synthetic approach from polypyrrole nanotubes to nitrogen doped pyrolyzed carbon nanotubes for asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2016, 308, 158-165.	7.8	164

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55	Electrochemical supercapacitive properties of polypyrrole thin films: influence of the electropolymerization methods. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 901-910.	2.5	56
56	Development of Novel Solid Materials for High Power Li Polymer Batteries (SOMABAT). <i>Recyclability of Components. Lecture Notes in Mobility</i> , 2015, , 19-32.	0.2	0
57	An innovative 3-D nanoforest heterostructure made of polypyrrole coated silicon nanotrees for new high performance hybrid micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13978-13985.	10.3	63
58	3D hierarchical assembly of ultrathin MnO ₂ nanoflakes on silicon nanowires for high performance micro-supercapacitors in Li- doped ionic liquid. <i>Scientific Reports</i> , 2015, 5, 9771.	3.3	150
59	Hybrid energy storage: the merging of battery and supercapacitor chemistries. <i>Chemical Society Reviews</i> , 2015, 44, 1777-1790.	38.1	1,768
60	Asymmetric Supercapacitors based on Hybrid CuO@Reduced Graphene Oxide@Sponge versus Reduced Graphene Oxide@Sponge Electrodes. <i>Energy Technology</i> , 2015, 3, 168-176.	3.8	57
61	SiNWs-based electrochemical double layer micro-supercapacitors with wide voltage window (4 V) and long cycling stability using a protic ionic liquid electrolyte. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2015, 6, 015004.	1.5	10
62	Three-dimensional Arrays of 1D MnO ₂ Nanocrystals for All-solid State Asymmetric Supercapacitors. <i>ChemPlusChem</i> , 2015, 80, 944-951.	2.8	20
63	Low-cost flexible supercapacitors with high-energy density based on nanostructured MnO ₂ and Fe ₂ O ₃ thin films directly fabricated onto stainless steel. <i>Scientific Reports</i> , 2015, 5, 12454.	3.3	192
64	Influence of Mn incorporation on the supercapacitive properties of hybrid CuO/Cu(OH) ₂ electrodes. <i>RSC Advances</i> , 2015, 5, 30478-30484.	3.6	78
65	Diamond-coated silicon nanowires for enhanced micro-supercapacitor with ionic liquids. , 2015, , .		3
66	A high voltage solid state symmetric supercapacitor based on graphene-polyoxometalate hybrid electrodes with a hydroquinone doped hybrid gel-electrolyte. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23483-23492.	10.3	128
67	Nickel cobaltite as an emerging material for supercapacitors: An overview. <i>Nano Energy</i> , 2015, 11, 377-399.	16.0	437
68	Hybrid energy storage: high voltage aqueous supercapacitors based on activated carbon-phosphotungstate hybrid materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1014-1021.	10.3	145
69	High performance of symmetric micro-supercapacitors based on silicon nanowires using N-methyl-N-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide as electrolyte. <i>Nano Energy</i> , 2014, 9, 273-281.	16.0	71
70	Stable graphene-polyoxometalate nanomaterials for application in hybrid supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20411-20414.	2.8	92
71	Novel hybrid micro-supercapacitor based on conducting polymer coated silicon nanowires for electrochemical energy storage. <i>RSC Advances</i> , 2014, 4, 26462-26467.	3.6	63
72	Development of hybrid materials based on sponge supported reduced graphene oxide and transition metal hydroxides for hybrid energy storage devices. <i>Scientific Reports</i> , 2014, 4, 7349.	3.3	85

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73	Fractal porosity in metals synthesized by a simple combustion reaction. RSC Advances, 2013, 3, 2351.	3.6	6
74	Incorporation of benzimidazolium ionic liquid in proton exchange membranes ABPBI-H3PO4. Journal of Molecular Liquids, 2013, 181, 115-120.	4.9	20
75	Rechargeable Batteries: From Hybrid Materials to Devices. ECS Transactions, 2013, 50, 29-35.	0.5	0
76	Organic-Inorganic Hybrid Materials for Supercapacitors. ECS Transactions, 2013, 50, 117-123.	0.5	2
77	Copper@polypyrrole nanocables. Nanoscale Research Letters, 2012, 7, 521.	5.7	16
78	Hybrid electrodes based on polyoxometalate-carbon materials for electrochemical supercapacitors. Electrochemistry Communications, 2012, 24, 35-38.	4.7	126
79	Rechargeable Batteries: From Hybrid Materials to Hybrid Electrodes and Devices. ECS Meeting Abstracts, 2012, , .	0.0	0
80	Direct synthesis of a macroscopic array of naked Ag nanoparticles. Chemical Communications, 2011, 47, 11285.	4.1	2
81	Shaping hybrid nanostructures with polymer matrices: the formation mechanism of silver-polypyrrole core/shell nanostructures. Journal of Materials Chemistry, 2011, 21, 2078-2086.	6.7	21
82	Hybrid Nanostructured Materials for Electrochemical Supercapacitors. ECS Meeting Abstracts, 2011, , .	0.0	0
83	Electrical and mechanical properties of poly(ethylene oxide)/intercalated clay polymer electrolyte. Electrochimica Acta, 2011, 58, 112-118.	5.2	73
84	Polydiphenylamine/carbon nanotube composites for applications in rechargeable lithium batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 110-120.	3.5	27
85	Hybrid organic-inorganic materials: from child's play to energy applications. Journal of Solid State Electrochemistry, 2010, 14, 1939-1945.	2.5	63
86	From silver nanoparticles to nanostructures through matrix chemistry. Journal of Nanoparticle Research, 2010, 12, 337-345.	1.9	36
87	Polyfluorinated boron cluster [B12F11H]2- based electrolytes for supercapacitors: Overcharge protection. Electrochemistry Communications, 2010, 12, 636-639.	4.7	17
88	Titanium dioxide/amine hybrid nanotubes. Optical properties and behavior as lithium-ion electrode. Electrochimica Acta, 2010, 55, 1373-1379.	5.2	5
89	Structural and electrochemical studies of PPy/PEG-LiFePO4 cathode material for Li-ion batteries. Electrochimica Acta, 2010, 55, 943-947.	5.2	72
90	Proton-conducting membranes based on benzimidazole polymers for high-temperature PEM fuel cells. A chemical quest. Chemical Society Reviews, 2010, 39, 3210.	38.1	657

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91	High-concentration compact agar gels from hydrothermal synthesis. <i>Soft Matter</i> , 2010, 6, 2389.	2.7	10
92	Surface Enhanced Raman Scattering Studies on Poly(3,4-ethylene dioxythiophene)/Single-Walled Carbon Nanotubes Composites and Their Application to Rechargeable Lithium Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6204-6209.	0.9	7
93	Complementary microstructural and chemical analyses of <i>Sepia officinalis</i> endoskeleton. <i>Materials Science and Engineering C</i> , 2009, 29, 1220-1226.	7.3	61
94	Spontaneous self-assembly of Cu ₂ O@PPy nanowires and anisotropic crystals. <i>Chemical Communications</i> , 2009, , 5913.	4.1	15
95	High-Yield Preparation of Titanium Dioxide Nanostructures by Hydrothermal Conditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1103-1107.	0.9	11
96	Next-Generation Hybrid Nanocomposite Materials Based on Conducting Organic Polymers: Energy Storage and Conversion Devices. , 2009, , 289-319.		3
97	Facile One-Pot Synthesis of Self-Assembled Silver@Polypyrrole Core/Shell Nanosnakes. <i>Small</i> , 2008, 4, 1301-1306.	10.0	67
98	From Nanosnakes to Nanosheets: A Matrix-Mediated Shape Evolution. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20312-20318.	3.1	17
99	Conjugated Polymers as Part of Multifunctional Organic/Inorganic Hybrid Materials for Photovoltaic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1007, 1.	0.1	1
100	Poly(N-vinyl carbazole) and carbon nanotubes based composites and their application to rechargeable lithium batteries. <i>Composites Science and Technology</i> , 2007, 67, 2556-2563.	7.8	73
101	Electrochemical supercapacitors based on novel hybrid materials made of carbon nanotubes and polyoxometalates. <i>Electrochemistry Communications</i> , 2007, 9, 2088-2092.	4.7	117
102	Improvement in the Ppy/V ₂ O ₅ hybrid as a cathode material for Li ion batteries using PSA as an organic additive. <i>Journal of Power Sources</i> , 2007, 166, 471-477.	7.8	58
103	Fe-substituted (La,Sr)TiO ₃ as potential electrodes for symmetrical fuel cells (SFCs). <i>Journal of Power Sources</i> , 2007, 171, 552-557.	7.8	102
104	Influence of acids in the Ppy/V ₂ O ₅ hybrid synthesis and performance as a cathode material. <i>Journal of Power Sources</i> , 2007, 174, 1206-1211.	7.8	25
105	Spectroscopic evidence for the bulk polymerization of N-vinyl carbazole in the presence of single-walled carbon nanotubes. <i>Polymer</i> , 2007, 48, 5279-5288.	3.8	34
106	Electrochemical behavior of lithium intercalated in a molybdenum disulfide-crown ether nanocomposite. <i>Electrochimica Acta</i> , 2007, 53, 1432-1438.	5.2	8
107	Poly(acrylonitrile)-molybdenum disulfide polymer electrolyte nanocomposite. <i>Journal of Materials Chemistry</i> , 2006, 16, 3107-3113.	6.7	30
108	Chemical synthesis of hybrid materials based on PANi and PEDOT with polyoxometalates for electrochemical supercapacitors. <i>Progress in Solid State Chemistry</i> , 2006, 34, 147-159.	7.2	110

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109	Hybrid Nanocomposite Materials for Energy Storage Applications. ECS Meeting Abstracts, 2006, , .	0.0	0
110	Nanocomposites Based on Conducting Polymers and Carbon Nanotubes: From Fancy Materials to Functional Applications. Journal of Nanoscience and Nanotechnology, 2006, 6, 289-302.	0.9	252
111	Electrochemically Functionalized Carbon Nanotubes and their Application to Rechargeable Lithium Batteries. Small, 2006, 2, 1075-1082.	10.0	47
112	Electrosynthesis of the poly(N-vinyl carbazole)/carbon nanotubes composite for applications in the supercapacitors field. European Polymer Journal, 2006, 42, 2302-2312.	5.4	46
113	Triple hybrid materials: A novel concept within the field of organicâ€“inorganic hybrids. Journal of Power Sources, 2006, 161, 580-586.	7.8	17
114	MOCVD of Bi ₂ Te ₃ and Sb ₂ Te ₃ on GaAs Substrates for Thin-Film Thermoelectric Applications. Journal of Nanoscience and Nanotechnology, 2006, 6, 3325-3328.	0.9	26
115	Room temperature solid-state transformation from to by ozone oxidation. Journal of Solid State Chemistry, 2005, 178, 295-305.	2.9	30
116	Hybrid proton-conducting membranes for polymer electrolyte fuel cells. Electrochimica Acta, 2005, 50, 4715-4720.	5.2	79
117	Electrochemical deposition of black nickel solar absorber coatings on stainless steel AISI316L for thermal solar cells. Solar Energy Materials and Solar Cells, 2005, 87, 685-694.	6.2	66
118	Recent Developments on Proton Conduc-ting Poly(2,5-benzimidazole) (ABPBI) Membranes for High Temperature Poly-mer Electrolyte Membrane Fuel Cells. Fuel Cells, 2005, 5, 336-343.	2.4	257
119	Nanocomposite Hybrid Molecular Materials for Application in Solid-State Electrochemical Supercapacitors. Advanced Functional Materials, 2005, 15, 1125-1133.	14.9	223
120	Electronic Structure of Ag ₂ Cu ₂ O ₄ . Evidence of Oxidized Silver and Copper and Internal Charge Delocalization. ChemInform, 2005, 36, no.	0.0	0
121	Intercalation of cyclic ketones into vanadyl phosphate. Journal of Solid State Chemistry, 2005, 178, 314-320.	2.9	4
122	Hybrid nanocomposite materials for energy storage and conversion applications. Journal of Materials Science, 2005, 40, 1423-1428.	3.7	55
123	Hybrid materials. Functional properties. From Maya Blue to 21st century materials. New Journal of Chemistry, 2005, 29, 57-58.	2.8	107
124	Electronic Structure of Ag ₂ Cu ₂ O ₄ . Evidence of Oxidized Silver and Copper and Internal Charge Delocalization. Journal of Physical Chemistry B, 2005, 109, 6193-6203.	2.6	48
125	Organic-Inorganic Materials: From Intercalation Chemistry to Devices. , 2005, , 15-49.		6
126	Multifunctional Hybrid Materials Based on Conducting Organic Polymers. Nanocomposite Systems with Photo-Electro-Ionic Properties and Applications. , 2005, , 210-269.		1

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127	Hybrid Materials Approach In The Design Of Electrodes And Electrolytes For Energy Storage And Conversion. Materials Research Society Symposia Proceedings, 2004, 847, 114.	0.1	1
128	Sulfonated poly(2,5-benzimidazole) (SABPBI) impregnated with phosphoric acid as proton conducting membranes for polymer electrolyte fuel cells. Electrochimica Acta, 2004, 49, 4461-4466.	5.2	88
129	Proton-conducting membranes based on poly(2,5-benzimidazole) (ABPBI) and phosphoric acid prepared by direct acid casting. Journal of Membrane Science, 2004, 241, 89-93.	8.2	116
130	Polymer Electrolyte Fuel Cells Based on Phosphoric Acid-Impregnated Poly(2,5-benzimidazole) Membranes. Journal of the Electrochemical Society, 2004, 151, A304.	2.9	207
131	Polyoxometalates: from inorganic chemistry to materials science. Frontiers in Bioscience - Landmark, 2004, 9, 1759.	3.0	130
132	Oxidación electroquímica de plata y cobre en medio acuoso básico y en hidróxidos fundidos. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2004, 43, 220-223.	1.9	0
133	Materiales híbridos basados en fosfato de vanadilo y polímeros conductores como cátodos en baterías reversibles de litio. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2004, 43, 429-433.	1.9	0
134	Room-Temperature Synthesis and Crystal, Magnetic, and Electronic Structure of the First Silver Copper Oxide.. ChemInform, 2003, 34, no.	0.0	1
135	Enhanced conductivity in polyanion-containing polybenzimidazoles. Improved materials for proton-exchange membranes and PEM fuel cells. Electrochemistry Communications, 2003, 5, 967-972.	4.7	108
136	Synthesis and crystal structure of the monoclinic modification of Yb(ReO ₄) ₃ (H ₂ O) ₄ . Journal of Solid State Chemistry, 2003, 172, 200-204.	2.9	5
137	Hybrid organic-inorganic nanocomposite materials for application in solid state electrochemical supercapacitors. Electrochemistry Communications, 2003, 5, 149-153.	4.7	226
138	Conductive Polymers and Hybrid Materials as Insertion Electrodes for Energy Storage Applications. , 2002, , 355-376.		1
139	From Conducting Polymers to Electroactive Hybrid Materials. Materials Research Society Symposia Proceedings, 2002, 726, 1.	0.1	0
140	Room-Temperature Synthesis and Crystal, Magnetic, and Electronic Structure of the First Silver Copper Oxide. Inorganic Chemistry, 2002, 41, 6604-6613.	4.0	44
141	Synthesis, Characterization, and Electrical Properties of the Series of Oxides Ag ₅ Pb ₂ xCu _x O ₆ (0 ≤ x ≤ 0.5). Journal of Solid State Chemistry, 2002, 163, 151-157.	2.9	14
142	Electrochemically induced reversible solid state transformations: electrosynthesis of Ag ₂ Cu ₂ O ₄ by room temperature oxidation of Ag ₂ Cu ₂ O ₃ . Electrochemistry Communications, 2002, 4, 684-689.	4.7	36
143	Structural study of electrochemically-synthesized Ag ₂ Cu ₂ O ₄ . A novel oxide sensitive to irradiation. Crystal Engineering, 2002, 5, 459-467.	0.7	24
144	Proton-conducting polymers based on benzimidazoles and sulfonated benzimidazoles. Journal of Polymer Science Part A, 2002, 40, 3703-3710.	2.3	267

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145	Influence of Thermal Treatment and Atmospheres on the Electrochemistry of V ₂ O ₅ as Lithium Insertion Cathode. , 2002, , 535-538.		2
146	Electroquímica de Ag ₂ Cu ₂ O ₃ y síntesis de Ag ₂ Cu ₂ O ₄ . Boletín De La Sociedad Española De Cerámica Y Vidrio, 2002, 41, 55-58.	1.9	4
147	Estudios de materiales de óxidos y átomos de litio. Caracterización en celdas de ion litio. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2002, 41, 115-121.	1.9	1
148	Síntesis, estructura y propiedades de transporte de nuevos óxidos complejos de cobre, plata y plomo. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2002, 41, 59-64.	1.9	0
149	Integration of Hexacyanoferrate as an Active Species in a Molecular Hybrid Material. Transport Properties and Application of Polyaniline/Hexacyanoferrate as a Cathode in Rechargeable Lithium Batteries. Chemistry of Materials, 2001, 13, 3693-3697.	6.7	49
150	Structure refinement of samarium monothio oxide. Journal of Alloys and Compounds, 2001, 316, 90-92.	5.5	7
151	Hybrid Organic-Inorganic Materials "In Search of Synergic Activity. Advanced Materials, 2001, 13, 163-174.	21.0	930
152	Simultaneous Neutron and X-Ray Refinement of the Structure of Ag ₂ Cu ₂ O ₃ , the First Silver Copper Oxide. Materials Science Forum, 2001, 378-381, 606-610.	0.3	11
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