Pedro GÃ³mez Romero

List of Publications by Year
in descending order

223 papers	14,772 citations	19657 61 h-index	19749 117 g-index
242 all docs	242 docs citations	242 times ranked	15191 citing authors

#	Article	IF	Citations
1	Hybrid energy storage: the merging of battery and supercapacitor chemistries. Chemical Society Reviews, 2015, 44, 1777-1790.	38.1	1,768
2	Towards flexible solid-state supercapacitors for smart and wearable electronics. Chemical Society Reviews, 2018, 47, 2065-2129.	38.1	1,338
3	Hybrid Organic-Inorganic Materialsâ€"In Search of Synergic Activity. Advanced Materials, 2001, 13, 163-174.	21.0	930
4	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
5	Nickel cobaltite as an emerging material for supercapacitors: An overview. Nano Energy, 2015, 11, 377-399.	16.0	437
6	Ultrathin Hierarchical Porous Carbon Nanosheets for Highâ€Performance Supercapacitors and Redox Electrolyte Energy Storage. Advanced Materials, 2018, 30, e1705789.	21.0	309
7	Proton-conducting polymers based on benzimidazoles and sulfonated benzimidazoles. Journal of Polymer Science Part A, 2002, 40, 3703-3710.	2.3	267
8	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
9	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
10	Hybrid organicâ€"inorganic nanocomposite materials for application in solid state electrochemical supercapacitors. Electrochemistry Communications, 2003, 5, 149-153.	4.7	226
11	Nanocomposite Hybrid Molecular Materials for Application in Solid-State Electrochemical Supercapacitors. Advanced Functional Materials, 2005, 15, 1125-1133.	14.9	223
12	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
13	Low-cost flexible supercapacitors with high-energy density based on nanostructured MnO2 and Fe2O3 thin films directly fabricated onto stainless steel. Scientific Reports, 2015, 5, 12454.	3.3	192
14	Polyoxometalates (POMs): from electroactive clusters to energy materials. Energy and Environmental Science, 2021, 14, 1652-1700.	30.8	184
15	Electrochemical and Chemical Syntheses of the Hybrid Organicâ^'Inorganic Electroactive Material Formed by Phosphomolybdate and Polyaniline. Application as Cation-Insertion Electrodes. Chemistry of Materials, 1998, 10, 698-704.	6.7	179
16	Synthetic approach from polypyrrole nanotubes to nitrogen doped pyrolyzed carbon nanotubes for asymmetric supercapacitors. Journal of Power Sources, 2016, 308, 158-165.	7.8	164
17	3D hierarchical assembly of ultrathin MnO2 nanoflakes on silicon nanowires for high performance micro-supercapacitors in Li- doped ionic liquid. Scientific Reports, 2015, 5, 9771.	3.3	150
18	V2O5 encapsulated MWCNTs in 2D surface architecture: Complete solid-state bendable highly stabilized energy efficient supercapacitor device. Scientific Reports, 2017, 7, 43430.	3.3	148

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19	Hybrid energy storage: high voltage aqueous supercapacitors based on activated carbonâ€“phosphotungstate hybrid materials. Journal of Materials Chemistry A, 2014, 2, 1014-1021.	10.3	145
20	Metalâ€“Organic Framework (MOF) Derived Electrodes with Robust and Fast Lithium Storage for Liâ€ion Hybrid Capacitors. Advanced Functional Materials, 2019, 29, 1900532.	14.9	141
21	Hybrid organic-inorganic electrodes: The molecular material formed between polypyrrole and the phosphomolybdate anion. Advanced Materials, 1997, 9, 144-147.	21.0	140
22	Polyoxometalates: from inorganic chemistry to materials science. Frontiers in Bioscience - Landmark, 2004, 9, 1759.	3.0	130
23	A tetranuclear rhomblike cluster of manganese(II). Crystal structure and magnetic properties of the heteropoly complex K10[Mn4(H2O)2(PW9O34)2].cntdot.20H2O. Inorganic Chemistry, 1993, 32, 3378-3381.	4.0	129
24	A high voltage solid state symmetric supercapacitor based on grapheneâ€“polyoxometalate hybrid electrodes with a hydroquinone doped hybrid gel-electrolyte. Journal of Materials Chemistry A, 2015, 3, 23483-23492.	10.3	128
25	Hybrid electrodes based on polyoxometalateâ€“carbon materials for electrochemical supercapacitors. Electrochemistry Communications, 2012, 24, 35-38.	4.7	126
26	The Organicâ€inorganic Polyanilineâ€‰/â€‰â€‰Vâ€‰2â€‰Oâ€‰5 System. Application as a Highâ€Capacity Hybrid Cathode for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 1999, 146, 2029-2033.	2.9	120
27	Electrochemical supercapacitors based on novel hybrid materials made of carbon nanotubes and polyoxometalates. Electrochemistry Communications, 2007, 9, 2088-2092.	4.7	117
28	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
29	Fern-like rGO/BiVO₄ Hybrid Nanostructures for High-Energy Symmetric Supercapacitor. ACS Applied Materials & Interfaces, 2016, 8, 31602-31610.	8.0	111
30	Chemical synthesis of hybrid materials based on PAni and PEDOT with polyoxometalates for electrochemical supercapacitors. Progress in Solid State Chemistry, 2006, 34, 147-159.	7.2	110
31	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. International Journal of Hydrogen Energy, 2017, 42, 12384-12395.	7.1	110
32	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
33	Hybrid materials. Functional properties. From Maya Blue to 21st century materials. New Journal of Chemistry, 2005, 29, 57-58.	2.8	107
34	Fe-substituted (La,Sr)TiO3 as potential electrodes for symmetrical fuel cells (SFCs). Journal of Power Sources, 2007, 171, 552-557.	7.8	102
35	Crystal structures of .alpha.-[CoIIW12O40]6- and its heteropoly blue 2e reduction product, .alpha.-[CoIIW12O40]8-. Structural, electronic, and chemical consequences of electron delocalization in a multiatom mixed-valence system. Journal of the American Chemical Society, 1991, 113, 5658-5663.	13.7	99
36	Stable grapheneâ€“polyoxometalate nanomaterials for application in hybrid supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 20411-20414.	2.8	92

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37	Asymmetric Supercapacitors Based on Reduced Graphene Oxide with Different Polyoxometalates as Positive and Negative Electrodes. ChemSusChem, 2017, 10, 2742-2750.	6.8	89
38	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
39	Development of hybrid materials based on sponge supported reduced graphene oxide and transition metal hydroxides for hybrid energy storage devices. Scientific Reports, 2014, 4, 7349.	3.3	85
40	Synthesis and Characterization of Intercalate Phases in the Organicâ€“Inorganic Polyaniline/V2O5 System. Journal of Solid State Chemistry, 1999, 147, 601-608.	2.9	81
41	Hybrid proton-conducting membranes for polymer electrolyte fuel cells. Electrochimica Acta, 2005, 50, 4715-4720.	5.2	79
42	Photoredox Chemistry in Oxide Clusters. Photochromic and Redox Properties of Polyoxometalates in Connection with Analog Solid State Colloidal Systems. The Journal of Physical Chemistry, 1996, 100, 12448-12454.	2.9	78
43	Influence of Mn incorporation on the supercapacitive properties of hybrid CuO/Cu(OH)₂ electrodes. RSC Advances, 2015, 5, 30478-30484.	3.6	78
44	Unveiling BiVO₄ nanorods as a novel anode material for high performance lithium ion capacitors: beyond intercalation strategies. Journal of Materials Chemistry A, 2018, 6, 6096-6106.	10.3	78
45	Mimics of microstructures of Ni substituted Mn1â^'xNixCo2O4 for high energy density asymmetric capacitors. Chemical Engineering Journal, 2017, 307, 300-310.	12.7	76
46	Poly(N-vinyl carbazole) and carbon nanotubes based composites and their application to rechargeable lithium batteries. Composites Science and Technology, 2007, 67, 2556-2563.	7.8	73
47	Electrical and mechanical properties of poly(ethylene oxide)/intercalated clay polymer electrolyte. Electrochimica Acta, 2011, 58, 112-118.	5.2	73
48	Structural and electrochemical studies of PPy/PEG-LiFePO4 cathode material for Li-ion batteries. Electrochimica Acta, 2010, 55, 943-947.	5.2	72
49	Ultrathin Mesoporous RuCo₂O₄ Nanoflakes: An Advanced Electrode for Highâ€Performance Asymmetric Supercapacitors. ChemSusChem, 2017, 10, 1771-1782.	6.8	72
50	Iron-oxo aggregates. Binuclear and tetranuclear complexes of N,N,N',N'-tetrakis(2-benzimidazolylmethyl)-2-hydroxy-1,3-diaminopropane. Inorganic Chemistry, 1988, 27, 2673-2681.	4.0	71
51	Electronic Structure of the Highly Reduced Polyoxoanion [PMo12O40(VO)2]5-:Â A DFT Study. Inorganic Chemistry, 1998, 37, 3444-3446.	4.0	71
52	High performance of symmetric micro-supercapacitors based on silicon nanowires using N-methyl-N-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide as electrolyte. Nano Energy, 2014, 9, 273-281.	16.0	71
53	Ag:BiVO₄ dendritic hybrid-architecture for high energy density symmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 7580-7584.	10.3	71
54	Facile Oneâ€Pot Synthesis of Selfâ€Assembled Silver@Polypyrrole Core/Shell Nanosnakes. Small, 2008, 4, 1301-1306.	10.0	67

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55	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
56	Dissymmetry effects in .mu.-oxo diiron(III) species: structures and spectroscopic properties of [N5FeOFeX3]+ (X = Cl, Br) and implications for oxo-bridged dinuclear iron proteins. Journal of the American Chemical Society, 1989, 111, 9039-9047.	13.7	64
57	Oxygen excess and superconductivity at 45 K in La2CaCu2O6+y. Physica C: Superconductivity and Its Applications, 1990, 170, 153-160.	1.2	64
58	Ag2Cu2O3: The First Silver Copper Oxide. Angewandte Chemie - International Edition, 1999, 38, 524-525.	13.8	63
59	Hybrid organicâ€“inorganic materials: from childâ€™s play to energy applications. Journal of Solid State Electrochemistry, 2010, 14, 1939-1945.	2.5	63
60	Novel hybrid micro-supercapacitor based on conducting polymer coated silicon nanowires for electrochemical energy storage. RSC Advances, 2014, 4, 26462-26467.	3.6	63
61	An innovative 3-D nanoforest heterostructure made of polypyrrole coated silicon nanotrees for new high performance hybrid micro-supercapacitors. Journal of Materials Chemistry A, 2015, 3, 13978-13985.	10.3	63
62	Complementary microstructural and chemical analyses of Sepia officinalis endoskeleton. Materials Science and Engineering C, 2009, 29, 1220-1226.	7.3	61
63	Fabrication of 3D binder-free graphene NiO electrode for highly stable supercapattery. Scientific Reports, 2020, 10, 11214.	3.3	60
64	Improvement in the Ppy/V2O5 hybrid as a cathode material for Li ion batteries using PSA as an organic additive. Journal of Power Sources, 2007, 166, 471-477.	7.8	58
65	Asymmetric Supercapacitors based on Hybrid CuO@Reduced Graphene Oxide@Sponge versus Reduced Graphene Oxide@Sponge Electrodes. Energy Technology, 2015, 3, 168-176.	3.8	57
66	Electrochemical supercapacitive properties of polypyrrole thin films: influence of the electropolymerization methods. Journal of Solid State Electrochemistry, 2016, 20, 901-910.	2.5	56
67	Hybrid nanocomposite materials for energy storage and conversion applications. Journal of Materials Science, 2005, 40, 1423-1428.	3.7	55
68	Functionalization of Polypyrrole Nanopipes with Redoxâ€Active Polyoxometalates for High Energy Density Supercapacitors. ChemSusChem, 2017, 10, 731-737.	6.8	53
69	All nanocarbon Li-Ion capacitor with high energy and high power density. Materials Today Energy, 2018, 8, 109-117.	4.7	52
70	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
71	Mechanisms behind the enhancement of thermal properties of graphene nanofluids. Nanoscale, 2018, 10, 15402-15409.	5.6	49
72	Electronic Structure of Ag2Cu2O4. Evidence of Oxidized Silver and Copper and Internal Charge Delocalization. Journal of Physical Chemistry B, 2005, 109, 6193-6203.	2.6	48

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73	Metazidohemerythrin models featuring a bis-benzimidazole tripod ligand. Structure and spectroscopy of .mu.-oxobis(.mu.-benzoato)bis(bis(2-benzimidazolylmethyl)amine)diiron(III). Journal of the American Chemical Society, 1988, 110, 1988-1990.	13.7	47
74	Electrochemically Functionalized Carbon Nanotubes and their Application to Rechargeable Lithium Batteries. Small, 2006, 2, 1075-1082.	10.0	47
75	Dual Carbon Potassium-Ion Capacitors: Biomass-Derived Graphene-like Carbon Nanosheet Cathodes. ACS Applied Materials & Interfaces, 2020, 12, 48518-48525.	8.0	47
76	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
77	Design and Fabrication of Printed Paperâ€Based Hybrid Microâ€Supercapacitor by using Graphene and Redoxâ€Active Electrolyte. ChemSusChem, 2018, 11, 1849-1856.	6.8	46
78	Room-Temperature Synthesis and Crystal, Magnetic, and Electronic Structure of the First Silver Copper Oxide. Inorganic Chemistry, 2002, 41, 6604-6613.	4.0	44
79	Asymmetric Supercapacitor Based on Nanostructured Ceâ€doped NiO (Ce:NiO) as Positive and Reduced Graphene Oxide (rGO) as Negative Electrode. ChemistrySelect, 2016, 1, 3471-3478.	1.5	44
80	Model compounds for the active sites of oxo-transfer molybdoenzymes. Synthesis, structural characterization, and electrochemical properties of [NH4]2[MoO2{O2CC(S)Ph2}2]. Journal of the Chemical Society Chemical Communications, 1990, , 531-533.	2.0	43
81	Growth of polypyrrole nanostructures through reactive templates for energy storage applications. Electrochimica Acta, 2016, 191, 346-354.	5.2	42
82	Crystal structure and magnetic properties of K5.5Na1.5[PW10Cu2(H2O)2O38].13H2O. Substituted Keggin heteropolytungstates of the type PW10Cu2 containing exchange-coupled copper pairs. Inorganic Chemistry, 1993, 32, 89-93.	4.0	41
83	Hybrid coreâ€“shell nanostructured electrodes made of polypyrrole nanotubes coated with Ni(OH)₂ nanoflakes for high energy-density supercapacitors. RSC Advances, 2016, 6, 15062-15070.	3.6	40
84	Conducting organic polymers with electroactive dopants. Synthesis and electrochemical properties of hexacyanoferrate-doped polypyrrole. Synthetic Metals, 1998, 98, 95-102.	3.9	39
85	Fully printed one-step biosensing device using graphene/AuNPs composite. Biosensors and Bioelectronics, 2019, 129, 238-244.	10.1	39
86	Aqueous synthesis of LiFePO4 with Fractal Granularity. Scientific Reports, 2016, 6, 27024.	3.3	37
87	Electrochemically induced reversible solid state transformations: electrosynthesis of Ag2Cu2O4 by room temperature oxidation of Ag2Cu2O3. Electrochemistry Communications, 2002, 4, 684-689.	4.7	36
88	From silver nanoparticles to nanostructures through matrix chemistry. Journal of Nanoparticle Research, 2010, 12, 337-345.	1.9	36
89	Band structure calculation of extended poly(copper phthalocyanine) one-dimensional and two-dimensional polymers. Inorganic Chemistry, 1988, 27, 3672-3675.	4.0	35
90	Spectroscopic evidence for the bulk polymerization of N-vinyl carbazole inÂthe presence of single-walled carbon nanotubes. Polymer, 2007, 48, 5279-5288.	3.8	34

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91	Hybrid Grapheneâ€Polyoxometalates Nanofluids as Liquid Electrodes for Dual Energy Storage in Novel Flow Cells. Chemical Record, 2018, 18, 1076-1084.	5.8	33
92	Structure and magnetic properties of an unsymmetrical (.mu.-oxo)diiron(III) complex. Journal of the American Chemical Society, 1986, 108, 851-853.	13.7	32
93	Unusually strong antiferromagnetic coupling in unsymmetrical diiron(III).mu.-oxo complexes. Inorganic Chemistry, 1990, 29, 5211-5217.	4.0	32
94	Structural and magnetic characterization of calcium copper formates, CaCu(HCOO)4 and Ca2Cu(HCOO)6: two new one-dimensional ferromagnetic bis(.mu.-oxo-ligand)-bridged chains. Inorganic Chemistry, 1992, 31, 2915-2919.	4.0	31
95	Electroactive graphene nanofluids for fast energy storage. 2D Materials, 2016, 3, 031004.	4.4	31
96	BiVO₄ Fern Architectures: A Competitive Anode for Lithiumâ€ion Batteries. ChemSusChem, 2017, 10, 4163-4169.	6.8	31
97	Syntheses of the perovskite La2CuTiO6by the ceramic, oxide precursors and solâ€“gel methods, and study of the structure and Cuâ€“Ti distribution by X-ray and neutron diffraction. Journal of Materials Chemistry, 1993, 3, 1171-1177.	6.7	30
98	Crystal structure, magnetic and spectroscopic properties of the bis(dimethyl sulfoxide) adduct of tetra-Î¼-formato-dicopper(II), a new tetracarboxylato-bridged copper(II) dimer. Inorganica Chimica Acta, 1994, 216, 185-190.	2.4	30
99	Room temperature solid-state transformation from to by ozone oxidation. Journal of Solid State Chemistry, 2005, 178, 295-305.	2.9	30
100	Poly(acrylonitrile)â€“molybdenum disulfide polymer electrolyte nanocomposite. Journal of Materials Chemistry, 2006, 16, 3107-3113.	6.7	30
101	Low-dimensional bimetallic ordered systems: synthesis and characterization of the isomorphous series of the cobalt nickel complexes CoxNi2-xEDTA.2H20. Crystal structure of Co2EDTA.2H20 and preferential site occupation in CoNiEDTA.H20. Inorganic Chemistry, 1986, 25, 3171-3176.	4.0	28
102	Direct electrodeposition of imidazole modified poly(pyrrole) copolymers: synthesis, characterization and supercapacitive properties. Electrochimica Acta, 2017, 243, 260-269.	5.2	28
103	Synthesis and structure of (Bu4N)[MoO(O2CC(S)Ph2)2]. The first mononuclear molybdenum(V) complex containing both coordinated thiolate and carboxylate groups. Inorganic Chemistry, 1991, 30, 3113-3115.	4.0	27
104	Electrochemical oxidation of lanthanum cuprates. Physica C: Superconductivity and Its Applications, 1993, 216, 478-490.	1.2	27
105	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
106	Ultrahigh energy density supercapacitors through a double hybrid strategy. Materials Today Energy, 2017, 5, 58-65.	4.7	27
107	Polypyrrole Nanopipes as a Promising Cathode Material for Liâ€ion Batteries and Liâ€ion Capacitors: Twoâ€inâ€One Approach. Energy Technology, 2019, 7, 193-200.	3.8	27
108	MOCVD of Bi2Te3 and Sb2Te3 on GaAs Substrates for Thin-Film Thermoelectric Applications. Journal of Nanoscience and Nanotechnology, 2006, 6, 3325-3328.	0.9	26

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109	MOF-derived conformal cobalt oxide/C composite material as high-performance electrode in hybrid supercapacitors. Electrochimica Acta, 2021, 389, 138657.	5.2	26
110	Synthesis deintercalation and transport properties of a mixed-valence derivative of the layered oxide HLaNb2O7. Materials Research Bulletin, 1996, 31, 217-225.	5.2	25
111	Energy Storage in Hybrid Organic-Inorganic Materials Hexacyanoferrate-Doped Polypyrrole as Cathode in Reversible Lithium Cells. Journal of the Electrochemical Society, 2000, 147, 2513.	2.9	25
112	Influence of acids in the Ppy/V2O5 hybrid synthesis and performance as a cathode material. Journal of Power Sources, 2007, 174, 1206-1211.	7.8	25
113	Polyoxometalates as photoelectrochemical models for quantum-sized colloidal semiconducting oxides. Solid State Ionics, 1997, 101-103, 243-248.	2.7	25
114	Molecular Batteries: Harnessing Fe(CN)63- Electroactivity in Hybrid Polyaniline-Hexacyanoferrate Electrodes. Advanced Materials, 2000, 12, 1454-1456.	21.0	24
115	Structural study of electrochemically-synthesized Ag2Cu2O4. A novel oxide sensitive to irradiation. Crystal Engineering, 2002, 5, 459-467.	0.7	24
116	Sheet-on-sheet like calcium ferrite and graphene nanoplatelets nanocomposite: A multifunctional nanocomposite for high-performance supercapacitor and visible light driven photocatalysis. Journal of Solid State Chemistry, 2021, 293, 121646.	2.9	24
117	Induction of bidimensionality in mixed Cuï£¿Ti perovskites. Advanced Materials, 1994, 6, 54-57.	21.0	22
118	Crystal Structure Refinement of the Layered Copper-Titanium Perovskites Ln2Ba2Cu2Ti2O11 (Ln = La, Nd) from Neutron Powder Diffraction Data. Chemistry of Materials, 1994, 6, 2118-2122.	6.7	22
119	Can polyoxometalates enhance the capacitance and energy density of activated carbon in organic electrolyte supercapacitors?. Electrochimica Acta, 2020, 362, 137007.	5.2	22
120	Shaping hybrid nanostructures with polymer matrices: the formation mechanism of silverâ€“polypyrrole core/shell nanostructures. Journal of Materials Chemistry, 2011, 21, 2078-2086.	6.7	21
121	Rational design of MXene/activated carbon/polyoxometalate triple hybrid electrodes with enhanced capacitance for organic-electrolyte supercapacitors. Journal of Colloid and Interface Science, 2022, 623, 947-961.	9.4	21
122	Oxovanadium(IV) hydrogen phosphate hydrates: a time-resolved neutron powder diffraction study. Chemistry of Materials, 1991, 3, 407-413.	6.7	20
123	Superconducting YBa2Cu3O7-.delta. coatings by simultaneous electrodeposition of Y, Ba, and Cu in the presence of cyanide. Chemistry of Materials, 1995, 7, 771-779.	6.7	20
124	Incorporation of benzimidazolium ionic liquid in proton exchange membranes ABPBI-H3PO4. Journal of Molecular Liquids, 2013, 181, 115-120.	4.9	20
125	Threeâ€Dimensional Arrays of 1D MnO₂ Nanocrystals for Allâ€Solidâ€State Asymmetric Supercapacitors. ChemPlusChem, 2015, 80, 944-951.	2.8	20
126	Battery and supercapacitor materials in flow cells. Electrochemical energy storage in a LiFePO4/reduced graphene oxide aqueous nanofluid. Electrochimica Acta, 2018, 281, 594-600.	5.2	20

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127	Optimisation of NiO electrodeposition on 3D graphene electrode for electrochemical energy storage using response surface methodology. Journal of Electroanalytical Chemistry, 2021, 882, 114992.	3.8	19
128	Cation vs. anion insertion in hybrid materials based on conducting organic polymers for energy storage applications. Ionics, 1997, 3, 194-200.	2.4	18
129	Influence of texture in hybrid carbon-phosphomolybdic acid materials on their performance as electrodes in supercapacitors. Carbon, 2017, 111, 74-82.	10.3	18
130	Towards the synthesis of layered perovskites. Synthesis, structure and magnetic properties of La2CuTiO6. Solid State Ionics, 1993, 63-65, 603-608.	2.7	17
131	The polyanilineâ€“V2O5 system:. Solid State Sciences, 1999, 1, 111-116.	0.7	17
132	Triple hybrid materials: A novel concept within the field of organicâ€“inorganic hybrids. Journal of Power Sources, 2006, 161, 580-586.	7.8	17
133	From Nanosnakes to Nanosheets: A Matrix-Mediated Shape Evolution. Journal of Physical Chemistry C, 2008, 112, 20312-20318.	3.1	17
134	Polyfluorinated boron cluster â€“ [B12F11H]2â¯ â€“ based electrolytes for supercapacitors: Overcharge protection. Electrochemistry Communications, 2010, 12, 636-639.	4.7	17
135	Modification of the Raman Spectra in Graphene-Based Nanofluids and Its Correlation with Thermal Properties. Nanomaterials, 2019, 9, 804.	4.1	17
136	Crystal structure and magnetic properties of the complex [Cu(en)2]2[{Fe(edta)}2O]Â·2H2O. A heterobimetallic CuIIâ€“FeIIIsystem containing a Âµ-oxo-di-iron(III) moiety. Journal of the Chemical Society Dalton Transactions, 1988, , 2747-2751.	1.1	16
137	Synthesis and Structure of the Layered Quadruple Perovskite Tb2Ba2Cu2Ti2O11. Journal of Solid State Chemistry, 1995, 117, 213-216.	2.9	16
138	Synthesis structure and superconductivity in all-perovskite-layered titanium cuprates. Journal of Solid State Chemistry, 1995, 119, 224-236.	2.9	16
139	Copper@polypyrrole nanocables. Nanoscale Research Letters, 2012, 7, 521.	5.7	16
140	Electronic Structure of Layered Oxides Containing M2O7(M = V, Nb) Double Octahedral Slabs. Inorganic Chemistry, 1996, 35, 1179-1184.	4.0	15
141	Spontaneous self-assembly of Cu2O@PPy nanowires and anisotropic crystals. Chemical Communications, 2009, , 5913.	4.1	15
142	Synthesis of a reduced niobium â€œblueâ€•with a layered perovskite structure. Solid State Ionics, 1993, 63-65, 424-428.	2.7	14
143	Synthesis, Characterization, and Electrical Properties of the Series of Oxides Ag5Pb2â¯xCuxO6 (0.0â‰¤xâ‰¤0.5). Journal of Solid State Chemistry, 2002, 163, 151-157.	2.9	14
144	SÃntesis y CaracterizaciÃ³n de Ag₂Cu₂O₃, el primer Ã³xido de cobre y plata. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 209-212.	1.9	13

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145	Magnetic measurements with a SQUID magnetometer: Possible artifacts induced by sampleâ€holder offâ€centering. Journal of Applied Physics, 1991, 69, 5088-5090.	2.5	12
146	YBa2Cu3O7â˜Î´ wires by electrodeposition of metallic elements and by electrophoresisâ˜†. Solid State Ionics, 1993, 66, 241-246.	2.7	12
147	Sol-gel synthesis of the lithium-ion conducting perovskite La0.57Li0.3TiO3 effect of synthesis and thermal treatments on the structure and conducting properties. Ionics, 1996, 2, 442-445.	2.4	12
148	Magnetostructural correlations for hexachlorodicuprate(II) salts: crystal structure and magnetic properties of the tetrameric complex [{Cu2(terpy)Cl4}2](terpy = 2,2â€²:6â€²,2â€³-terpyridine). Journal of the Chemical Society Dalton Transactions, 1990, , 2325-2329.	1.1	11
149	Simultaneous Neutron and X-Ray Refinement of the Structure of Ag₂Cu₂O₃, the First Silver Copper Oxide. Materials Science Forum, 2001, 378-381, 606-610.	0.3	11
150	High-Yield Preparation of Titanium Dioxide Nanostructures by Hydrothermal Conditions. Journal of Nanoscience and Nanotechnology, 2009, 9, 1103-1107.	0.9	11
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