Chiara Milanese

List of Publications by Year
in descending order

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200 papers	4,420 citations	109321 35 h-index	175258 52 g-index
203 all docs	203 docs citations	203 times ranked	5440 citing authors

#	Article	IF	Citations
1	Self-Supported Fibrous Sn/SnO2@C Nanocomposite as Superior Anode Material for Lithium-Ion Batteries. Materials, 2022, 15, 919.	2.9	7
2	De-hydrogenation/Rehydrogenation Properties and Reaction Mechanism of AmZn(NH2)n-2nLiH Systems (A = Li, K, Na, and Rb). Sustainability, 2022, 14, 1672.	3.2	2
3	Spectroscopic Techniques and DFT Calculations to Highlight the Effect of Fe³⁺ on the Properties of FeNb₁₁O₂₉, Anode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2022, 126, 4698-4709.	3.1	3
4	Rice Industry By-Products as Adsorbent Materials for Removing Fluoride and Arsenic from Drinking Waterâ€"A Review. Applied Sciences (Switzerland), 2022, 12, 3166.	2.5	11
5	Sustainable NaAlH₄ production from recycled automotive Al alloy. Green Chemistry, 2022, 24, 4153-4163.	9.0	6
6	Selection and Optimization of an Innovative Polysaccharide-Based Carrier to Improve Anthocyanins Stability in Purple Corn Cob Extracts. Antioxidants, 2022, 11, 916.	5.1	4
7	Physiological and molecular aspects of seed longevity: exploring intraâ€species variation in eight Pisum sativum L. accessions. Physiologia Plantarum, 2022, 174, e13698.	5.2	8
8	A New Polysaccharide Carrier Isolated from Camelina Cake: Structural Characterization, Rheological Behavior, and Its Influence on Purple Corn Cob Extractâ€™s Bioaccessibility. Foods, 2022, 11, 1736.	4.3	3
9	An effective activation method for industrially produced TiFeMn powder for hydrogen storage. Journal of Alloys and Compounds, 2022, 919, 165847.	5.5	6
10	Probenecid and benzamide: DSC applied to the study of an â€œimpossibleâ€•pharmaceutical system. Journal of Thermal Analysis and Calorimetry, 2021, 145, 391-402.	3.6	1
11	A comprehensive study on lithium-based reactive hydride composite (Li-RHC) as a reversible solid-state hydrogen storage system toward potential mobile applications. RSC Advances, 2021, 11, 23122-23135.	3.6	6
12	Inside the failure mechanism of tin oxide as anode for sodium ion batteries. Journal of Solid State Electrochemistry, 2021, 25, 1401-1410.	2.5	7
13	Accelerated Thermal Aging Effects on Carbonâ€Based Perovskite Solar Cells: A Joint Experimental and Theoretical Analysis. Solar Rrl, 2021, 5, 2000759.	5.8	4
14	Improving the Protective Properties of Shellac-Based Varnishes by Functionalized Nanoparticles. Coatings, 2021, 11, 419.	2.6	17
15	The Physico-Chemical Properties of Glipizide: New Findings. Molecules, 2021, 26, 3142.	3.8	7
16	PVA Films with Mixed Silver Nanoparticles and Gold Nanostars for Intrinsic and Photothermal Antibacterial Action. Nanomaterials, 2021, 11, 1387.	4.1	20
17	Tailoring the Thermal Conductivity of Rubber Nanocomposites by Inorganic Systems: Opportunities and Challenges for Their Application in Tires Formulation. Molecules, 2021, 26, 3555.	3.8	18
18	Recovery of Chlorogenic Acids from Agri-Food Wastes: Updates on Green Extraction Techniques. Molecules, 2021, 26, 4515.	3.8	17

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19	Development of an Accelerated Stability Model to Estimate Purple Corn Cob Extract Powder (Moradyn) Shelf-Life. Foods, 2021, 10, 1617.	4.3	4
20	Hydrogenation via a low energy mechanochemical approach: the MgB₂ case. JPhys Energy, 2021, 3, 044001.	5.3	4
21	Zaltoprofen/4,4â€²-Bipyridine: A Case Study to Demonstrate the Potential of Differential Scanning Calorimetry (DSC) in the Pharmaceutical Field. Journal of Pharmaceutical Sciences, 2021, 110, 3690-3701.	3.3	3
22	Structure of soda-lime-aluminosilicate glasses as revealed by in-situ synchrotron powder diffraction experiments. Journal of Non-Crystalline Solids, 2021, 568, 120932.	3.1	5
23	PEEKâ€“WC-Based Mixed Matrix Membranes Containing Polyimine Cages for Gas Separation. Molecules, 2021, 26, 5557.	3.8	8
24	Role of spacer cations and structural distortion in two-dimensional germanium halide perovskites. Journal of Materials Chemistry C, 2021, 9, 9899-9906.	5.5	28
25	Naked-Eye Food Freshness Detection: Innovative Polymeric Optode for High-Protein Food Spoilage Monitoring. ACS Food Science & Technology, 2021, 1, 165-175.	2.7	22
26	Collection and Characterization of Wood Decay Fungal Strains for Developing Pure Mycelium Mats. Journal of Fungi (Basel, Switzerland), 2021, 7, 1008.	3.5	19
27	Microplastics in Sewage Sludge: A Known but Underrated Pathway in Wastewater Treatment Plants. Sustainability, 2021, 13, 12591.	3.2	18
28	Sustainable hydrogen production via LiH hydrolysis for unmanned air vehicle (UAV) applications. International Journal of Hydrogen Energy, 2020, 45, 5384-5394.	7.1	24
29	Probenecid and benzamide: cocrystal prepared by a green method and its physico-chemical and pharmaceutical characterization. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1859-1869.	3.6	13
30	Exploring the role of halide mixing in lead-free BZA₂SnX₄ two dimensional hybrid perovskites. Journal of Materials Chemistry A, 2020, 8, 1875-1886.	10.3	21
31	Combination of inulin and Î²-cyclodextrin properties for colon delivery of hydrophobic drugs. International Journal of Pharmaceutics, 2020, 589, 119861.	5.2	14
32	Increased Antibacterial and Antibiofilm Properties of Silver Nanoparticles Using Silver Fluoride as Precursor. Molecules, 2020, 25, 3494.	3.8	11
33	Hydrogen storage properties of magnesium borohydride infiltrated in silica aerogel using solvated and pressure methods. Journal of Energy Storage, 2020, 31, 101674.	8.1	8
34	Using the Emission of Muonic X-rays as a Spectroscopic Tool for the Investigation of the Local Chemistry of Elements. Nanomaterials, 2020, 10, 1260.	4.1	7
35	Suitable Polymeric Coatings to Avoid Localized Surface Plasmon Resonance Hybridization in Printed Patterns of Photothermally Responsive Gold Nanoinks. Molecules, 2020, 25, 2499.	3.8	4
36	Enhanced Stability of Li-RHC Embedded in an Adaptive TPXâ„¢ Polymer Scaffold. Materials, 2020, 13, 991.	2.9	14

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37	Nickel addition to optimize the hydrogen storage performance of lithium intercalated fullerides. Materials Research Bulletin, 2020, 126, 110848.	5.2	3
38	Polyacrylate/polyacrylate-PEG biomaterials obtained by high internal phase emulsions (HIPEs) with tailorable drug release and effective mechanical and biological properties. Materials Science and Engineering C, 2019, 105, 110060.	7.3	20
39	Fullerene mixtures as negative electrodes in innovative Na-ion batteries. Chemical Physics Letters, 2019, 731, 136607.	2.6	9
40	Clickable cellulosic surfaces for peptide-based bioassays. Talanta, 2019, 205, 120152.	5.5	9
41	Efficient Synthesis of Alkali Borohydrides from Mechanochemical Reduction of Borates Using Magnesiumâ€“Aluminum-Based Waste. Metals, 2019, 9, 1061.	2.3	22
42	The interaction of hydrogen with corannulene, a promising new platform for energy storage. Carbon, 2019, 155, 432-437.	10.3	10
43	Super-activated biochar from poultry litter for high-performance supercapacitors. Microporous and Mesoporous Materials, 2019, 285, 161-169.	4.4	58
44	Degassing and phase transitions with temperature in melanophlogite. Microporous and Mesoporous Materials, 2019, 286, 9-17.	4.4	2
45	Effect of the Process Parameters on the Energy Transfer during the Synthesis of the 2LiBH4-MgH2 Reactive Hydride Composite for Hydrogen Storage. Metals, 2019, 9, 349.	2.3	11
46	Cycloaddition reactions in material science. , 2019, , 269-323.		1
47	Efficiency and Quality Issues in the Production of Black Phosphorus by Mechanochemical Synthesis: A Multi-Technique Approach. ACS Applied Energy Materials, 2019, 2, 2794-2802.	5.1	18
48	A new mutually destabilized reactive hydride system: LiBH4â€“Mg2NiH4. Journal of Energy Chemistry, 2019, 34, 240-254.	12.9	14
49	g-C₃N₄ - Singlet Oxygen Made Easy for Organic Synthesis: Scope and Limitations. ACS Sustainable Chemistry and Engineering, 2019, 7, 8176-8182.	6.7	50
50	Visible light 3D printing with epoxidized vegetable oils. Additive Manufacturing, 2019, 25, 317-324.	3.0	33
51	Complex hydrides for energy storage. International Journal of Hydrogen Energy, 2019, 44, 7860-7874.	7.1	123
52	Enhancing the Pharmaceutical Behavior of Nateglinide by Cocrystallization: Physicochemical Assessment of Cocrystal Formation and Informed Use of Differential Scanning Calorimetry for Its Quantitative Characterization. Journal of Pharmaceutical Sciences, 2019, 108, 1529-1539.	3.3	16
53	Physico-chemical and pharmaceutical characterization of sulindacâ€“proglumide binary system. Journal of Thermal Analysis and Calorimetry, 2019, 136, 2063-2070.	3.6	3
54	Intermolecular interactions of substituted benzenes on multi-walled carbon nanotubes grafted on HPLC silica microspheres and interaction study through artificial neural networks. Arabian Journal of Chemistry, 2019, 12, 549-558.	4.9	5

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55	Tuning retention and selectivity in reversed-phase liquid chromatography by using functionalized multi-walled carbon nanotubes. Arabian Journal of Chemistry, 2019, 12, 541-548.	4.9	7
56	Stabilization of Nanosized Borohydrides for Hydrogen Storage: Suppressing the Melting with TiCl₃ Doping. ACS Applied Energy Materials, 2018, 1, 421-430.	5.1	18
57	Waste Mg-Al based alloys for hydrogen storage. International Journal of Hydrogen Energy, 2018, 43, 16738-16748.	7.1	54
58	Design of a Nanometric AlTi Additive for MgB₂-Based Reactive Hydride Composites with Superior Kinetic Properties. Journal of Physical Chemistry C, 2018, 122, 7642-7655.	3.1	29
59	Multicomponent crystals of gliclazide and tromethamine: preparation, physico-chemical, and pharmaceutical characterization. Drug Development and Industrial Pharmacy, 2018, 44, 243-250.	2.0	13
60	Synthesis and characterization of LaFeO3 powders prepared by a mixed mechanical/thermal processing route. Journal of Thermal Analysis and Calorimetry, 2018, 133, 413-419.	3.6	17
61	Acrylate-based poly-high internal phase emulsions for effective enzyme immobilization and activity retention: from computationally-assisted synthesis to pharmaceutical applications. Polymer Chemistry, 2018, 9, 87-97.	3.9	18
62	Rationalization of hydrogen production by bulk g-C₃N₄: an in-depth correlation between physico-chemical parameters and solar light photocatalysis. RSC Advances, 2018, 8, 39421-39431.	3.6	15
63	Synthesis of LaCoO3 powder by a combined mechanical/thermal process. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 719-724.	0.7	0
64	Silica-supported pyrolyzed lignin for solid-phase extraction of rare earth elements from fresh and sea waters followed by ICP-MS detection. Analytical and Bioanalytical Chemistry, 2018, 410, 7635-7643.	3.7	8
65	Fundamental Material Properties of the 2LiBH4-MgH2 Reactive Hydride Composite for Hydrogen Storage: (II) Kinetic Properties. Energies, 2018, 11, 1170.	3.1	21
66	Solid State Hydrogen Storage in Alanates and Alanate-Based Compounds: A Review. Metals, 2018, 8, 567.	2.3	60
67	Exploring the Limits of Three-Dimensional Perovskites: The Case of FAPb_{1â€“x}Sn_xBr₃. ACS Energy Letters, 2018, 3, 1353-1359.	17.4	31
68	Synthesis and characterization of mixed sodium and lithium fullerides for hydrogen storage. International Journal of Hydrogen Energy, 2018, 43, 16766-16773.	7.1	7
69	Recent Progress and New Perspectives on Metal Amide and Imide Systems for Solid-State Hydrogen Storage. Energies, 2018, 11, 1027.	3.1	49
70	Fundamental Material Properties of the 2LiBH4-MgH2 Reactive Hydride Composite for Hydrogen Storage: (I) Thermodynamic and Heat Transfer Properties. Energies, 2018, 11, 1081.	3.1	24
71	In Situ Formation of TiB₂ Nanoparticles for Enhanced Dehydrogenation/Hydrogenation Reaction Kinetics of LiBH₄â€“MgH₂ as a Reversible Solid-State Hydrogen Storage Composite System. Journal of Physical Chemistry C, 2018, 122, 11671-11681.	3.1	29
72	Facile and fast preparation of low-cost silica-supported graphitic carbon nitride for solid-phase extraction of fluoroquinolone drugs from environmental waters. Journal of Chromatography A, 2017, 1489, 9-17.	3.7	45

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73	The effect of Sr(OH)₂ on the hydrogen storage properties of the Mg(NH₂)₂â€“2LiH system. Physical Chemistry Chemical Physics, 2017, 19, 8457-8464.	2.8	18
74	Wide band-gap tuning in Sn-based hybrid perovskites through cation replacement: the FA_{1â˜’x}MA_xSnBr₃ mixed system. Journal of Materials Chemistry A, 2017, 5, 9391-9395.	10.3	65
75	Extending the hydrogen storage limit in fullerene. Carbon, 2017, 120, 77-82.	10.3	33
76	Febantel: looking for new polymorphs. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1605-1612.	3.6	2
77	Assessment of the Effects Exerted by Acid and Alkaline Solutions on Bone: Is Chemistry the Answer?. Journal of Forensic Sciences, 2017, 62, 1297-1303.	1.6	5
78	The FA_{1â€“x}MA_xPbI₃ System: Correlations among Stoichiometry Control, Crystal Structure, Optical Properties, and Phase Stability. Journal of Physical Chemistry C, 2017, 121, 8746-8751.	3.1	27
79	Determination of the post mortem interval in skeletal remains by the comparative use of different physico-chemical methods: Are they reliable as an alternative to 14C?. HOMO- Journal of Comparative Human Biology, 2017, 68, 213-221.	0.7	17
80	Silver nanoparticles synthesized and coated with pectin: An ideal compromise for anti-bacterial and anti-biofilm action combined with wound-healing properties. Journal of Colloid and Interface Science, 2017, 498, 271-281.	9.4	110
81	Dicopper(II) Mozobil^{TM}: a dinuclear receptor for the pyrophosphate anion in aqueous solution. Supramolecular Chemistry, 2017, 29, 834-845.	1.2	6
82	Self-assembled monolayers of Prussian blue nanoparticles with photothermal effect. Supramolecular Chemistry, 2017, 29, 823-833.	1.2	19
83	Optimal hydrogen storage in sodium substituted lithium fullerides. Physical Chemistry Chemical Physics, 2017, 19, 21980-21986.	2.8	10
84	Effect of Ni-nanoparticles decoration on graphene to enable high capacity sodium-ion battery negative electrodes. Electrochimica Acta, 2017, 250, 212-218.	5.2	9
85	Kinetic alteration of the 6Mg(NH₂)₂â€“9LiHâ€“LiBH₄ system by co-adding YCl₃ and Li₃N. Physical Chemistry Chemical Physics, 2017, 19, 32105-32115.	2.8	10
86	Tetrahydroborates: Development and Potential as Hydrogen Storage Medium. Inorganics, 2017, 5, 74.	2.7	58
87	Alteration processes of pigments exposed to acetic and formic acid vapors. , 2017, , .		5
88	In Situ X-ray Diffraction Studies on the De/rehydrogenation Processes of the K₂[Zn(NH₂)₄]-8LiH System. Journal of Physical Chemistry C, 2017, 121, 1546-1551.	3.1	10
89	ELECTROCHEMICAL PROPERTIES OF THE COMPOSITES SYNTHESIZED FROM POLYANILINE AND MODIFIED MWCNT. Chemistry and Chemical Technology, 2017, 11, 261-269.	1.1	3
90	Rational design of functionalized polyacrylate-based high internal phase emulsion materials for analytical and biomedical uses. Polymer Chemistry, 2016, 7, 7436-7445.	3.9	24

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91	FA_{0.8}MA_{0.2}Sn_xPb_{1â€“x}I₃ Hybrid Perovskite Solid Solution: Toward Environmentally Friendly, Stable, and Near-IR Absorbing Materials. Inorganic Chemistry, 2016, 55, 12752-12757.	4.0	11
92	Shellac/nanoparticles dispersions as protective materials for wood. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	27
93	Synthesis, structural and optical characterization of APbX3 (A=methylammonium, dimethylammonium,) Tj ETQq1 1 0.784314 rgBT /Ove 2016, 240, 55-60.	2.9	73
94	Properties of Glauconite/Polyaniline Composite Prepared in Aqueous Solution of Citric Acid. Journal of Polymers and the Environment, 2016, 24, 196-205.	5.0	4
95	Carboxymethylinulinâ€“Chitosan Nanoparticles for the Delivery of Antineoplastic Mitoxantrone. ChemMedChem, 2016, 11, 2436-2444.	3.2	11
96	Reversible hydrogen sorption in the composite made of magnesium borohydride and silica aerogel. International Journal of Hydrogen Energy, 2016, 41, 15245-15253.	7.1	7
97	Electrospun fibers as potential carrier systems for enhanced drug release of perphenazine. International Journal of Pharmaceutics, 2016, 511, 190-197.	5.2	24
98	Anions as Triggers in Controlled Release Protocols from Mesoporous Silica Nanoparticles Functionalized with Macrocyclic Copper(II) Complexes. Chemistry - A European Journal, 2016, 22, 13935-13945.	3.3	9
99	2LiBH4â€“MgH2 nanoconfined into carbon aerogel scaffold impregnated with ZrCl4 for reversible hydrogen storage. Materials Chemistry and Physics, 2016, 169, 136-141.	4.0	30
100	SBA-15 mesoporous silica highly functionalized with propylsulfonic pendants: A thorough physico-chemical characterization. Microporous and Mesoporous Materials, 2016, 219, 219-229.	4.4	35
101	Fabrication, Physico-Chemical, and Pharmaceutical Characterization of Budesonide-Loaded Electrospun Fibers for Drug Targeting to the Colon. Journal of Pharmaceutical Sciences, 2015, 104, 3798-3803.	3.3	22
102	Structural and kinetic investigation of the hydride composite Ca(BH₄)₂ + MgH₂ system doped with NbF₅ for solid-state hydrogen storage. Physical Chemistry Chemical Physics, 2015, 17, 27328-27342.	2.8	25
103	Isolation and characterization of the alkaloid Nitidine responsible for the traditional use of Phyllanthus muellerianus (Kuntze) Excell stem bark against bacterial infections. Journal of Pharmaceutical and Biomedical Analysis, 2015, 105, 115-120.	2.8	22
104	Gold nanostars co-coated with the Cu(<scp>ii</scp>) complex of a tetraazamacrocyclic ligand. Dalton Transactions, 2015, 44, 5652-5661.	3.3	11
105	Graphene and Selected Derivatives as Negative Electrodes in Sodiumâ€•and Lithiumâ€•Ion Batteries. ChemElectroChem, 2015, 2, 600-610.	3.4	46
106	Comparison of the thermochemical and mechanochemical transformations in the 2NaNH 2 â€“MgH 2 system. International Journal of Hydrogen Energy, 2015, 40, 1829-1835.	7.1	10
107	Gold nanostars coated with neutral and charged polyethylene glycols: A comparative study of in-vitro biocompatibility and of their interaction with SH-SY5Y neuroblastoma cells. Journal of Inorganic Biochemistry, 2015, 151, 123-131.	3.5	14
108	Thermal and Chemical Stability of Thiol Bonding on Gold Nanostars. Langmuir, 2015, 31, 8081-8091.	3.5	84

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109	Synthesis of calcium metastannate (CaSnO3) by solid state reactions in mechanically activated mixtures calcium citrate tetra hydrate [Ca3(C6H5O7)2Â·4H2O] â€“ tin(II) oxalate (SnC2O4). Thermochimica Acta, 2015, 608, 59-64.	2.7	9
110	Mechanical activation of the solid-phase reaction between bismuth citrate and iron(II) oxalate dihydrate to yield BiFeO3. Ceramics International, 2015, 41, 7216-7220.	4.8	19
111	Kinetic improvement on the CaH2-catalyzed Mg(NH2)2+ 2LiH system. Journal of Alloys and Compounds, 2015, 645, S284-S287.	5.5	15
112	In Situ Neutron Powder Diffraction of Li₆C₆₀ for Hydrogen Storage. Journal of Physical Chemistry C, 2015, 119, 19715-19721.	3.1	23
113	Influence of milling parameters on the sorption properties of the LiHâ€“MgB2 system doped with TiCl3. Journal of Alloys and Compounds, 2015, 645, S299-S303.	5.5	12
114	CH₃NH₃Sn_xPb_{1â€“x}Br₃ Hybrid Perovskite Solid Solution: Synthesis, Structure, and Optical Properties. Inorganic Chemistry, 2015, 54, 8893-8895.	4.0	55
115	Nucleation and growth of Au and Auâ€“Pd nanoparticles at the beginning of electrochemical deposition. Materials Letters, 2015, 161, 263-266.	2.6	12
116	Silane-coated magnetic nanoparticles with surface thiol functions for conjugation with gold nanostars. Dalton Transactions, 2015, 44, 21088-21098.	3.3	6
117	Improvement of thermal stability and reduction of LiBH 4 /polymer host interaction of nanoconfined LiBH 4 for reversible hydrogen storage. International Journal of Hydrogen Energy, 2015, 40, 392-402.	7.1	29
118	Effect of the Partial Replacement of CaH₂ with CaF₂ in the Mixed System CaH₂ + MgB₂. Journal of Physical Chemistry C, 2014, 118, 28409-28417.	3.1	17
119	Li12C60: A lithium clusters intercalated fulleride. Chemical Physics Letters, 2014, 609, 155-160.	2.6	24
120	Mechanothermal Synthesis of SrSnO3. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 313-320.	0.7	5
121	Destabilization of LiBH4 by nanoconfinement in PMMAâ€“coâ€“BM polymer matrix for reversible hydrogen storage. International Journal of Hydrogen Energy, 2014, 39, 5019-5029.	7.1	58
122	Muon spin relaxation reveals the hydrogen storage mechanism in light alkali metal fullerides. Carbon, 2014, 67, 92-97.	10.3	20
123	Addition of transition metals to lithium intercalated fullerides enhances hydrogen storage properties. International Journal of Hydrogen Energy, 2014, 39, 2124-2131.	7.1	25
124	Effect of powder characteristics for a magnesium based metal hydride store. International Journal of Hydrogen Energy, 2014, 39, 19646-19655.	7.1	1
125	Novel DFO-SAM on mesoporous silica for iron sensing. Part I. Synthesis optimization and characterization of the material. Analyst, The, 2014, 139, 3932.	3.5	20
126	Mechanochemical Synthesis of Bumetanideâ€“4-Aminobenzoic Acid Molecular Cocrystals: A Facile and Green Approach to Drug Optimization. Journal of Physical Chemistry B, 2014, 118, 9180-9190.	2.6	20

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127	Hydrogen storage systems from waste Mg alloys. Journal of Power Sources, 2014, 270, 554-563.	7.8	75
128	HPLCâ€“DADâ€“ESI/MSn characterization of environmentally friendly polyphenolic extract from Raphanus sativus L. var. â€œCherry Belleâ€•skin and stability of its red components. Food Research International, 2014, 65, 238-246.	6.2	18
129	2LiBH4â€“MgH2â€“0.13TiCl4 confined in nanoporous structure of carbon aerogel scaffold for reversible hydrogen storage. Journal of Alloys and Compounds, 2014, 599, 78-86.	5.5	36
130	Structural evolution upon decomposition of the LiAlH4+LiBH4 system. Journal of Alloys and Compounds, 2014, 615, S693-S697.	5.5	15
131	NaAlH4 production from waste aluminum by reactive ball milling. International Journal of Hydrogen Energy, 2014, 39, 9877-9882.	7.1	7
132	Synthesis of Li2SnO3 by solid state reaction and characterization by TG/DSC, XRPD, and MTDSC. Journal of Thermal Analysis and Calorimetry, 2013, 113, 763-767.	3.6	7
133	Ammonia-free infiltration of NaBH4 into highly-ordered mesoporous silica and carbon matrices for hydrogen storage. Journal of Alloys and Compounds, 2013, 580, S309-S312.	5.5	18
134	An Experimental and Theoretical Investigation of Loperamide Hydrochlorideâ€“Glutaric Acid Cocrystals. Journal of Physical Chemistry B, 2013, 117, 8113-8121.	2.6	9
135	Structure and properties of domperidone and its succinate salt. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 362-370.	1.1	6
136	Amphiphilic Copolymers Based on Poly[(hydroxyethyl)-<scp>d</scp>,<scp>l</scp>-aspartamide]: A Suitable Functional Coating for Biocompatible Gold Nanostars. Biomacromolecules, 2013, 14, 4260-4270.	5.4	20
137	Mixing thiols on the surface of silver nanoparticles: preserving antibacterial properties while introducing SERS activity. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	19
138	Preparation and Physicochemical Characterization of Acyclovir Cocrystals with Improved Dissolution Properties. Journal of Pharmaceutical Sciences, 2013, 102, 4079-4086.	3.3	50
139	Highly ordered mesoporous magnesium niobate high-Îº dielectric ceramic: synthesis, structural/mechanical characterization and thermal stability. Journal of Materials Chemistry C, 2013, 1, 4948.	5.5	4
140	Radiation-induced grafting of carbon nanotubes on HPLC silica microspheres: theoretical and practical aspects. Analyst, The, 2013, 138, 3778.	3.5	19
141	Mechanochemical synthesis of NaBH4 starting from NaHâ€“MgB2 reactive hydride composite system. International Journal of Hydrogen Energy, 2013, 38, 2363-2369.	7.1	19
142	Nanoconfined 2LiBH4â€“MgH2â€“TiCl3 in carbon aerogel scaffold for reversible hydrogen storage. International Journal of Hydrogen Energy, 2013, 38, 3275-3282.	7.1	49
143	Nanoconfined 2LiBH4â€“MgH2 for reversible hydrogen storages: Reaction mechanisms, kinetics and thermodynamics. International Journal of Hydrogen Energy, 2013, 38, 1932-1942.	7.1	46
144	In situ synchrotron radiation powder X-ray diffraction study of the 2LiNH2+LiH+KBH4 system. Journal of Alloys and Compounds, 2013, 580, S278-S281.	5.5	8

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145	Triton X-100 for three-plasmon gold nanostars with two photothermally active NIR (near IR) and SWIR (short-wavelength IR) channels. Chemical Communications, 2013, 49, 6265.	4.1	104
146	Supramolecular receptors in solid phase: developing sensors for anionic radionuclides. Dalton Transactions, 2013, 42, 6227.	3.3	17
147	Compaction pressure influence on material properties and sorption behaviour of LiBH4â€“MgH2 composite. International Journal of Hydrogen Energy, 2013, 38, 8357-8366.	7.1	37
148	Chemical State, Distribution, and Role of Ti- and Nb-Based Additives on the Ca(BH₄)₂ System. Journal of Physical Chemistry C, 2013, 117, 4394-4403.	3.1	25
149	Solid-state Reaction Study on Physically and Tribochemically Prepared BaC₂O₄-SnC₂O₄ Mixtures. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 667-672.	0.7	3
150	Mechanically assisted solid state synthesis of Mg2SnO4. Journal of Thermal Analysis and Calorimetry, 2012, 110, 831-837.	3.6	5
151	Preparation and characterization of carprofen co-crystals. CrystEngComm, 2012, 14, 435-445.	2.6	16
152	Hydrogen storage in 2NaBH4+MgH2 mixtures: Destabilization by additives and nanoconfinement. Journal of Alloys and Compounds, 2012, 536, S236-S240.	5.5	21
153	Controlled Synthesis of Gold Nanostars by Using a Zwitterionic Surfactant. Chemistry - A European Journal, 2012, 18, 9381-9390.	3.3	74
154	Perphenazineâ€“fumaric acid salts with improved solubility: preparation, physico-chemical characterization and in vitro dissolution. CrystEngComm, 2012, 14, 6035.	2.6	21
155	Quantification methods of amorphous/crystalline fractions in high-energy ball milled pharmaceutical products. Journal of Thermal Analysis and Calorimetry, 2012, 108, 235-241.	3.6	5
156	Compatibility of paroxetine hydrochloride and GW597599B. Journal of Thermal Analysis and Calorimetry, 2012, 108, 381-388.	3.6	7
157	Experimental Evidence of Na2[B12H12] and Na Formation in the Desorption Pathway of the 2NaBH4+ MgH2System. Journal of Physical Chemistry C, 2011, 115, 16664-16671.	3.1	46
158	Nanoscale phase separation in coated Ag nanoparticles. Nanoscale, 2011, 3, 4220.	5.6	4
159	Ball-milling and AlB2 addition effects on the hydrogen sorption properties of the CaH2+MgB2 system. Journal of Alloys and Compounds, 2011, 509, S714-S718.	5.5	13
160	Synthesis, Characterization and Antibacterial Activity against Gram Positive and Gram Negative Bacteria of Biomimetically Coated Silver Nanoparticles. Langmuir, 2011, 27, 9165-9173.	3.5	186
161	Thermodynamic and Kinetic Investigations on Pure and Doped NaBH₄â”MgH₂ System. Journal of Physical Chemistry C, 2011, 115, 3151-3162.	3.1	50
162	Determination of the nateglinide polymorphic purity through DSC. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 1196-1199.	2.8	29

#	Article	IF	Citations
163	Thermal, Spectroscopic, and Ab Initio Structural Characterization of Carprofen Polymorphs. Journal of Pharmaceutical Sciences, 2011, 100, 2321-2332.	3.3	10
164	Hydrogenation of carbon monoxide over nanostructured systems: A mechanochemical approach. Applied Surface Science, 2011, 257, 8165-8170.	6.1	20
165	Hydrogen evolution reaction in PTFE bonded Raney-Ni electrodes. International Journal of Hydrogen Energy, 2011, 36, 7816-7821.	7.1	24
166	Hydrogen sorption performance of MgH2 doped with mesoporous nickel- and cobalt-based oxides. International Journal of Hydrogen Energy, 2011, 36, 5400-5410.	7.1	81
167	Synthesis of YFeO3 by thermal decomposition of mechanically activated mixtures Y(CH3COO)3Â·4H2Oâ€“FeC2O4Â·2H2O. Thermochimica Acta, 2011, 521, 218-223.	2.7	10
168	Mechano-thermally Activated Solid-state Synthesis of Li₄Ti₅O₁₂ Spinel from Li₂CO₃₋TiO₂ Mixtures. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 23-26.	0.7	4
169	Solid state synthesis of CuFe2O4 from Cu(OH)2ÂÂ·ÂCuCO3â€“4FeC2O4ÂÂ·Â2H2O mixtures: mechanism of reaction and thermal characterization of CuFe2O4. Journal of Thermal Analysis and Calorimetry, 2010, 99, 437-442.	3.6	18
170	Drug-excipient compatibility studies in binary and ternary mixtures by physico-chemical techniques. Journal of Thermal Analysis and Calorimetry, 2010, 102, 193-201.	3.6	37
171	New solid modifications of nateglinide. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 1054-1059.	2.8	16
172	Effect of C (graphite) doping on the H2 sorption performance of the Mgâ€“Ni storage system. International Journal of Hydrogen Energy, 2010, 35, 1285-1295.	7.1	18
173	Sorption properties of NaBH4/MH2 (M=Mg, Ti) powder systems. International Journal of Hydrogen Energy, 2010, 35, 5434-5441.	7.1	57
174	Synergetic effect of C (graphite) and Nb2O5 on the H2 sorption properties of the Mgâ€“MgH2 system. International Journal of Hydrogen Energy, 2010, 35, 9027-9037.	7.1	23
175	Mechanothermal Solid-state Synthesis of Cobalt(II) Ferrite and Determination of its Heat Capacity by MTDSC. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1434-1438.	0.7	4
176	Mgâ€“Niâ€“Cu mixtures for hydrogen storage: A kinetic study. Intermetallics, 2010, 18, 203-211.	3.9	58
177	Ni - based Electrodes for Hydrogen and Oxygen Generation. ECS Transactions, 2009, 16, 9-19.	0.5	1
178	Thermodynamic relationships between nateglinide polymorphs. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 764-770.	2.8	21
179	Charge storage and the oxygen evolution reaction in mixed Niâ€“Li oxides. Physical Chemistry Chemical Physics, 2009, 11, 7678.	2.8	2
180	The combined effect of mechanical and thermal energy on the solid-state formation of NiFe2O4 from the system 2NiCO3Â·3Ni(OH)2Â·4H2Oâ€“FeC2O4Â·2H2O. Thermochimica Acta, 2008, 469, 86-90.	2.7	8

#	Article	IF	Citations
181	Hydrogen storage in magnesiumâ€“metal mixtures: Reversibility, kinetic aspects and phase analysis. Journal of Alloys and Compounds, 2008, 465, 396-405.	5.5	43
182	The Effect of Mechanical Activation on the Synthesis of MgFe2O4 from Mixtures of MgCO3Â· Mg(OH)2 Â· xH2O and FeC2O4 Â·2H2O. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1052-1056.	0.7	4
183	Effect of High-energy Milling on the Solid State Formation of Zinc Manganites (Zn_xMn_{3-x}O₄, 0.5 â‰¤ x â‰¤ 1.5) from the System ZnC₂O₄ Â· 2H₂O-n MnCO₃ (n = 1, 1.5 and 2). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 663-668.	0.7	1
184	Preparation of NiOâ€“LiFeO₂ solid solutions: the role of mechanical and thermal treatments. International Journal of Materials Research, 2007, 98, 205-208.	0.3	0
185	Ignition and reaction mechanism of Coâ€“Al and Nbâ€“Al intermetallic compounds prepared by combustion synthesis. Journal of Alloys and Compounds, 2006, 421, 156-162.	5.5	40
186	Synthesis and magnetic properties of ZnFe2O4 obtained by mechanochemically assisted low-temperature annealing of mixtures of Zn and Fe oxalates. Thermochimica Acta, 2006, 447, 184-189.	2.7	13
187	Solid state synthesis of stoichiometric LiCoO2 from mechanically activated Coâ€“Li2CO3 mixtures. Materials Chemistry and Physics, 2006, 100, 251-256.	4.0	9
188	Solid State Synthesis of CaMnO₃ from CaCO₃-MnCO₃ Mixtures by Mechanical Energy. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 281-286.	0.7	7
189	Mechanochemically assisted solid-state synthesis of lithium gallates (LiGa5O8 and LiGaO2). Materials Chemistry and Physics, 2005, 91, 180-184.	4.0	3
190	Diffusion-Controlled Solid-State Reactions of Spherical Particles, A General Model for Multiphase Binary Systems. Journal of Physical Chemistry B, 2005, 109, 18475-18482.	2.6	10
191	Disorder and Nonstoichiometry in Synthetic Garnets A3B5O12(A = Y, Luâ^'La, B = Al, Fe, Ga). A Simulation Study. Chemistry of Materials, 2004, 16, 1232-1239.	6.7	56
192	Combustion synthesis of mechanically activated powders in the Taâ€“Si system. Journal of Alloys and Compounds, 2004, 385, 269-275.	5.5	40
193	Reactive growth of niobium silicides in bulk diffusion couples. Acta Materialia, 2003, 51, 4837-4846.	7.9	61
194	Combustion synthesis of mechanically activated powders in the Nbâ€“Si system. Journal of Materials Research, 2002, 17, 1992-1999.	2.6	24
195	Reactive Growth of Tantalum Silicides in Taâ^'Si Diffusion Couples. Journal of Physical Chemistry B, 2002, 106, 5859-5863.	2.6	20
196	Reactive diffusion in the system vanadiumâ€“silicon. Acta Materialia, 2002, 50, 1393-1403.	7.9	42
197	Field activated combustion synthesis of the silicides of vanadium. Journal of Alloys and Compounds, 2001, 319, 108-118.	5.5	25
198	Field-activated combustion synthesis of Taâ€“Si intermetallic compounds. Journal of Materials Research, 2001, 16, 534-544.	2.6	16

#	Article	IF	Citations
199	Synthesis of Crâ€“Si intermetallic compounds by field-activated combustion synthesis. Journal of Materials Research, 2000, 15, 1098-1109.	2.6	13
200	Accelerated Thermal Aging Effects on Carbon-Based Perovskite Solar Cells: A Joint Experimental and Theoretical Analysis. , 0, , .		1