

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	Synthesis, Characterization and Antibacterial Activity against Gram Positive and Gram Negative Bacteria of Biomimetically Coated Silver Nanoparticles. <i>Langmuir</i> , 2011, 27, 9165-9173.	3.5	186
2	Complex hydrides for energy storage. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7860-7874.	7.1	123
3	Silver nanoparticles synthesized and coated with pectin: An ideal compromise for anti-bacterial and anti-biofilm action combined with wound-healing properties. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 271-281.	9.4	110
4	Triton X-100 for three-plasmon gold nanostars with two photothermally active NIR (near IR) and SWIR (short-wavelength IR) channels. <i>Chemical Communications</i> , 2013, 49, 6265.	4.1	104
5	Thermal and Chemical Stability of Thiol Bonding on Gold Nanostars. <i>Langmuir</i> , 2015, 31, 8081-8091.	3.5	84
6	Hydrogen sorption performance of MgH ₂ doped with mesoporous nickel- and cobalt-based oxides. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5400-5410.	7.1	81
7	Hydrogen storage systems from waste Mg alloys. <i>Journal of Power Sources</i> , 2014, 270, 554-563.	7.8	75
8	Controlled Synthesis of Gold Nanostars by Using a Zwitterionic Surfactant. <i>Chemistry - A European Journal</i> , 2012, 18, 9381-9390.	3.3	74
9	Synthesis, structural and optical characterization of APbX ₃ (A=methylammonium, dimethylammonium,) <i>Tj ETQq1 1 0.784314 rgBT /C</i> 2016, 240, 55-60.	2.9	73
10	Wide band-gap tuning in Sn-based hybrid perovskites through cation replacement: the FA _x MA _{1-x} SnBr ₃ mixed system. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9391-9395.	10.3	65
11	Reactive growth of niobium silicides in bulk diffusion couples. <i>Acta Materialia</i> , 2003, 51, 4837-4846.	7.9	61
12	Solid State Hydrogen Storage in Alanates and Alanate-Based Compounds: A Review. <i>Metals</i> , 2018, 8, 567.	2.3	60
13	Mg-Ni-Cu mixtures for hydrogen storage: A kinetic study. <i>Intermetallics</i> , 2010, 18, 203-211.	3.9	58
14	Destabilization of LiBH ₄ by nanoconfinement in PMMA-co-BM polymer matrix for reversible hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5019-5029.	7.1	58
15	Tetrahydroborates: Development and Potential as Hydrogen Storage Medium. <i>Inorganics</i> , 2017, 5, 74.	2.7	58
16	Super-activated biochar from poultry litter for high-performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2019, 285, 161-169.	4.4	58
17	Sorption properties of NaBH ₄ /MH ₂ (M=Mg, Ti) powder systems. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 5434-5441.	7.1	57
18	Disorder and Nonstoichiometry in Synthetic Garnets A ₃ B ₅ O ₁₂ (A = Y, Lu-La, B = Al, Fe, Ga). A Simulation Study. <i>Chemistry of Materials</i> , 2004, 16, 1232-1239.	6.7	56

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19	CH ₃ NH ₃ Sn _x Pb _{1-x} Br ₃ Hybrid Perovskite Solid Solution: Synthesis, Structure, and Optical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 8893-8895.	4.0	55
20	Waste Mg-Al based alloys for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16738-16748.	7.1	54
21	Thermodynamic and Kinetic Investigations on Pure and Doped NaBH ₄ ~MgH ₂ System. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3151-3162.	3.1	50
22	Preparation and Physicochemical Characterization of Acyclovir Cocrystals with Improved Dissolution Properties. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4079-4086.	3.3	50
23	g-C ₃ N ₄ - Singlet Oxygen Made Easy for Organic Synthesis: Scope and Limitations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8176-8182.	6.7	50
24	Nanoconfined 2LiBH ₄ ~MgH ₂ ~TiCl ₃ in carbon aerogel scaffold for reversible hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3275-3282.	7.1	49
25	Recent Progress and New Perspectives on Metal Amide and Imide Systems for Solid-State Hydrogen Storage. <i>Energies</i> , 2018, 11, 1027.	3.1	49
26	Experimental Evidence of Na ₂ [B ₁₂ H ₁₂] and Na Formation in the Desorption Pathway of the 2NaBH ₄ +MgH ₂ System. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16664-16671.	3.1	46
27	Nanoconfined 2LiBH ₄ ~MgH ₂ for reversible hydrogen storages: Reaction mechanisms, kinetics and thermodynamics. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1932-1942.	7.1	46
28	Graphene and Selected Derivatives as Negative Electrodes in Sodium~and Lithium~Ion Batteries. <i>ChemElectroChem</i> , 2015, 2, 600-610.	3.4	46
29	Facile and fast preparation of low-cost silica-supported graphitic carbon nitride for solid-phase extraction of fluoroquinolone drugs from environmental waters. <i>Journal of Chromatography A</i> , 2017, 1489, 9-17.	3.7	45
30	Hydrogen storage in magnesium~metal mixtures: Reversibility, kinetic aspects and phase analysis. <i>Journal of Alloys and Compounds</i> , 2008, 465, 396-405.	5.5	43
31	Reactive diffusion in the system vanadium~silicon. <i>Acta Materialia</i> , 2002, 50, 1393-1403.	7.9	42
32	Combustion synthesis of mechanically activated powders in the Ta~Si system. <i>Journal of Alloys and Compounds</i> , 2004, 385, 269-275.	5.5	40
33	Ignition and reaction mechanism of Co~Al and Nb~Al intermetallic compounds prepared by combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2006, 421, 156-162.	5.5	40
34	Drug-excipient compatibility studies in binary and ternary mixtures by physico-chemical techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 193-201.	3.6	37
35	Compaction pressure influence on material properties and sorption behaviour of LiBH ₄ ~MgH ₂ composite. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8357-8366.	7.1	37
36	2LiBH ₄ ~MgH ₂ ~0.13TiCl ₄ confined in nanoporous structure of carbon aerogel scaffold for reversible hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2014, 599, 78-86.	5.5	36

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37	SBA-15 mesoporous silica highly functionalized with propylsulfonic pendants: A thorough physico-chemical characterization. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 219-229.	4.4	35
38	Extending the hydrogen storage limit in fullerene. <i>Carbon</i> , 2017, 120, 77-82.	10.3	33
39	Visible light 3D printing with epoxidized vegetable oils. <i>Additive Manufacturing</i> , 2019, 25, 317-324.	3.0	33
40	Exploring the Limits of Three-Dimensional Perovskites: The Case of $\text{FAPb}_{1-x}\text{Sn}_x\text{Br}_3$. <i>ACS Energy Letters</i> , 2018, 3, 1353-1359.	17.4	31
41	$2\text{LiBH}_4\text{-MgH}_2$ nanoconfined into carbon aerogel scaffold impregnated with ZrCl_4 for reversible hydrogen storage. <i>Materials Chemistry and Physics</i> , 2016, 169, 136-141.	4.0	30
42	Determination of the nateglinide polymorphic purity through DSC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 1196-1199.	2.8	29
43	Improvement of thermal stability and reduction of LiBH_4 /polymer host interaction of nanoconfined LiBH_4 for reversible hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 392-402.	7.1	29
44	Design of a Nanometric AlTi Additive for MgB_2 -Based Reactive Hydride Composites with Superior Kinetic Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7642-7655.	3.1	29
45	In Situ Formation of TiB_2 Nanoparticles for Enhanced Dehydrogenation/Hydrogenation Reaction Kinetics of $\text{LiBH}_4\text{-MgH}_2$ as a Reversible Solid-State Hydrogen Storage Composite System. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11671-11681.	3.1	29
46	Role of spacer cations and structural distortion in two-dimensional germanium halide perovskites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9899-9906.	5.5	28
47	Shellac/nanoparticles dispersions as protective materials for wood. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	27
48	The $\text{FA}_{1-x}\text{MA}_x\text{Pb}_3$ System: Correlations among Stoichiometry Control, Crystal Structure, Optical Properties, and Phase Stability. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8746-8751.	3.1	27
49	Field activated combustion synthesis of the silicides of vanadium. <i>Journal of Alloys and Compounds</i> , 2001, 319, 108-118.	5.5	25
50	Chemical State, Distribution, and Role of Ti- and Nb-Based Additives on the $\text{Ca}(\text{BH}_4)_2$ System. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4394-4403.	3.1	25
51	Addition of transition metals to lithium intercalated fullerides enhances hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2124-2131.	7.1	25
52	Structural and kinetic investigation of the hydride composite $\text{Ca}(\text{BH}_4)_2 + \text{MgH}_2$ system doped with NbF_5 for solid-state hydrogen storage. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27328-27342.	2.8	25
53	Combustion synthesis of mechanically activated powders in the Nb-Si system. <i>Journal of Materials Research</i> , 2002, 17, 1992-1999.	2.6	24
54	Hydrogen evolution reaction in PTFE bonded Raney-Ni electrodes. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7816-7821.	7.1	24

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55	Li12C60: A lithium clusters intercalated fulleride. <i>Chemical Physics Letters</i> , 2014, 609, 155-160.	2.6	24
56	Rational design of functionalized polyacrylate-based high internal phase emulsion materials for analytical and biomedical uses. <i>Polymer Chemistry</i> , 2016, 7, 7436-7445.	3.9	24
57	Electrospun fibers as potential carrier systems for enhanced drug release of perphenazine. <i>International Journal of Pharmaceutics</i> , 2016, 511, 190-197.	5.2	24
58	Fundamental Material Properties of the 2LiBH4-MgH2 Reactive Hydride Composite for Hydrogen Storage: (I) Thermodynamic and Heat Transfer Properties. <i>Energies</i> , 2018, 11, 1081.	3.1	24
59	Sustainable hydrogen production via LiH hydrolysis for unmanned air vehicle (UAV) applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5384-5394.	7.1	24
60	Synergetic effect of C (graphite) and Nb2O5 on the H2 sorption properties of the Mg-MgH2 system. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9027-9037.	7.1	23
61	<i>In Situ</i> Neutron Powder Diffraction of Li ₆ C ₆₀ for Hydrogen Storage. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19715-19721.	3.1	23
62	Fabrication, Physico-Chemical, and Pharmaceutical Characterization of Budesonide-Loaded Electrospun Fibers for Drug Targeting to the Colon. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3798-3803.	3.3	22
63	Isolation and characterization of the alkaloid Nitidine responsible for the traditional use of <i>Phyllanthus muellerianus</i> (Kuntze) Excell stem bark against bacterial infections. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 105, 115-120.	2.8	22
64	Efficient Synthesis of Alkali Borohydrides from Mechanochemical Reduction of Borates Using Magnesium-Aluminum-Based Waste. <i>Metals</i> , 2019, 9, 1061.	2.3	22
65	Naked-Eye Food Freshness Detection: Innovative Polymeric Optode for High-Protein Food Spoilage Monitoring. <i>ACS Food Science & Technology</i> , 2021, 1, 165-175.	2.7	22
66	Thermodynamic relationships between nateglinide polymorphs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 764-770.	2.8	21
67	Hydrogen storage in 2NaBH4+MgH2 mixtures: Destabilization by additives and nanoconfinement. <i>Journal of Alloys and Compounds</i> , 2012, 536, S236-S240.	5.5	21
68	Perphenazine-fumaric acid salts with improved solubility: preparation, physico-chemical characterization and in vitro dissolution. <i>CrystEngComm</i> , 2012, 14, 6035.	2.6	21
69	Fundamental Material Properties of the 2LiBH4-MgH2 Reactive Hydride Composite for Hydrogen Storage: (II) Kinetic Properties. <i>Energies</i> , 2018, 11, 1170.	3.1	21
70	Exploring the role of halide mixing in lead-free BZA ₂ SnX ₄ two dimensional hybrid perovskites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1875-1886.	10.3	21
71	Reactive Growth of Tantalum Silicides in Ta-Si Diffusion Couples. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5859-5863.	2.6	20
72	Hydrogenation of carbon monoxide over nanostructured systems: A mechanochemical approach. <i>Applied Surface Science</i> , 2011, 257, 8165-8170.	6.1	20

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73	Amphiphilic Copolymers Based on Poly[(hydroxyethyl)-L-aspartamide]: A Suitable Functional Coating for Biocompatible Gold Nanostars. <i>Biomacromolecules</i> , 2013, 14, 4260-4270.	5.4	20
74	Muon spin relaxation reveals the hydrogen storage mechanism in light alkali metal fullerenes. <i>Carbon</i> , 2014, 67, 92-97.	10.3	20
75	Novel DFO-SAM on mesoporous silica for iron sensing. Part I. Synthesis optimization and characterization of the material. <i>Analyst</i> , 2014, 139, 3932.	3.5	20
76	Mechanochemical Synthesis of Bumetanide-4-Aminobenzoic Acid Molecular Cocrystals: A Facile and Green Approach to Drug Optimization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9180-9190.	2.6	20
77	Polyacrylate/polyacrylate-PEG biomaterials obtained by high internal phase emulsions (HIPEs) with tailorable drug release and effective mechanical and biological properties. <i>Materials Science and Engineering C</i> , 2019, 105, 110060.	7.3	20
78	PVA Films with Mixed Silver Nanoparticles and Gold Nanostars for Intrinsic and Photothermal Antibacterial Action. <i>Nanomaterials</i> , 2021, 11, 1387.	4.1	20
79	Mixing thiols on the surface of silver nanoparticles: preserving antibacterial properties while introducing SERS activity. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	19
80	Radiation-induced grafting of carbon nanotubes on HPLC silica microspheres: theoretical and practical aspects. <i>Analyst</i> , 2013, 138, 3778.	3.5	19
81	Mechanochemical synthesis of NaBH ₄ starting from NaH-MgB ₂ reactive hydride composite system. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2363-2369.	7.1	19
82	Mechanical activation of the solid-phase reaction between bismuth citrate and iron(II) oxalate dihydrate to yield BiFeO ₃ . <i>Ceramics International</i> , 2015, 41, 7216-7220.	4.8	19
83	Self-assembled monolayers of Prussian blue nanoparticles with photothermal effect. <i>Supramolecular Chemistry</i> , 2017, 29, 823-833.	1.2	19
84	Collection and Characterization of Wood Decay Fungal Strains for Developing Pure Mycelium Mats. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1008.	3.5	19
85	Solid state synthesis of CuFe ₂ O ₄ from Cu(OH) ₂ ·CuCO ₃ ·4FeC ₂ O ₄ ·2H ₂ O mixtures: mechanism of reaction and thermal characterization of CuFe ₂ O ₄ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 99, 437-442.	3.6	18
86	Effect of C (graphite) doping on the H ₂ sorption performance of the Mg-Ni storage system. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 1285-1295.	7.1	18
87	Ammonia-free infiltration of NaBH ₄ into highly-ordered mesoporous silica and carbon matrices for hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2013, 580, S309-S312.	5.5	18
88	HPLC-ESI/MS characterization of environmentally friendly polyphenolic extract from <i>Raphanus sativus</i> L. var. 'Cherry Belle' skin and stability of its red components. <i>Food Research International</i> , 2014, 65, 238-246.	6.2	18
89	The effect of Sr(OH) ₂ on the hydrogen storage properties of the Mg(NH ₂) ₂ ·2LiH system. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8457-8464.	2.8	18
90	Stabilization of Nanosized Borohydrides for Hydrogen Storage: Suppressing the Melting with TiCl ₃ Doping. <i>ACS Applied Energy Materials</i> , 2018, 1, 421-430.	5.1	18

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91	Acrylate-based poly-high internal phase emulsions for effective enzyme immobilization and activity retention: from computationally-assisted synthesis to pharmaceutical applications. <i>Polymer Chemistry</i> , 2018, 9, 87-97.	3.9	18
92	Efficiency and Quality Issues in the Production of Black Phosphorus by Mechanochemical Synthesis: A Multi-Technique Approach. <i>ACS Applied Energy Materials</i> , 2019, 2, 2794-2802.	5.1	18
93	Tailoring the Thermal Conductivity of Rubber Nanocomposites by Inorganic Systems: Opportunities and Challenges for Their Application in Tires Formulation. <i>Molecules</i> , 2021, 26, 3555.	3.8	18
94	Microplastics in Sewage Sludge: A Known but Underrated Pathway in Wastewater Treatment Plants. <i>Sustainability</i> , 2021, 13, 12591.	3.2	18
95	Supramolecular receptors in solid phase: developing sensors for anionic radionuclides. <i>Dalton Transactions</i> , 2013, 42, 6227.	3.3	17
96	Effect of the Partial Replacement of CaH_2 with CaF_2 in the Mixed System $\text{CaH}_2 + \text{MgB}_2$. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28409-28417.	3.1	17
97	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 ^{14}C ? <i>HOMO- Journal of Comparative Human Biology</i> , 2017, 68, 213-221.	0.7	17
98	Synthesis and characterization of LaFeO_3 powders prepared by a mixed mechanical/thermal processing route. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 413-419.	3.6	17
99	Improving the Protective Properties of Shellac-Based Varnishes by Functionalized Nanoparticles. <i>Coatings</i> , 2021, 11, 419.	2.6	17
100	Recovery of Chlorogenic Acids from Agri-Food Wastes: Updates on Green Extraction Techniques. <i>Molecules</i> , 2021, 26, 4515.	3.8	17
101	Field-activated combustion synthesis of Ta-Si intermetallic compounds. <i>Journal of Materials Research</i> , 2001, 16, 534-544.	2.6	16
102	New solid modifications of nateglinide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 1054-1059.	2.8	16
103	Preparation and characterization of carprofen co-crystals. <i>CrystEngComm</i> , 2012, 14, 435-445.	2.6	16
104	Enhancing the Pharmaceutical Behavior of Nateglinide by Cocrystallization: Physicochemical Assessment of Cocrystal Formation and Informed Use of Differential Scanning Calorimetry for Its Quantitative Characterization. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1529-1539.	3.3	16
105	Structural evolution upon decomposition of the $\text{LiAlH}_4 + \text{LiBH}_4$ system. <i>Journal of Alloys and Compounds</i> , 2014, 615, S693-S697.	5.5	15
106	Kinetic improvement on the CaH_2 -catalyzed $\text{Mg}(\text{NH}_2)_2 + 2\text{LiH}$ system. <i>Journal of Alloys and Compounds</i> , 2015, 645, S284-S287.	5.5	15
107	Rationalization of hydrogen production by bulk $\text{g-C}_3\text{N}_4$: an in-depth correlation between physico-chemical parameters and solar light photocatalysis. <i>RSC Advances</i> , 2018, 8, 39421-39431.	3.6	15
108	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. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 123-131.	3.5	14

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109	A new mutually destabilized reactive hydride system: LiBH ₄ -Mg ₂ NiH ₄ . Journal of Energy Chemistry, 2019, 34, 240-254.	12.9	14
110	Combination of inulin and β -cyclodextrin properties for colon delivery of hydrophobic drugs. International Journal of Pharmaceutics, 2020, 589, 119861.	5.2	14
111	Enhanced Stability of Li-RHC Embedded in an Adaptive TPX ₂ Polymer Scaffold. Materials, 2020, 13, 991.	2.9	14
112	Synthesis of Cr-Si intermetallic compounds by field-activated combustion synthesis. Journal of Materials Research, 2000, 15, 1098-1109.	2.6	13
113	Synthesis and magnetic properties of ZnFe ₂ O ₄ obtained by mechanochemically assisted low-temperature annealing of mixtures of Zn and Fe oxalates. Thermochimica Acta, 2006, 447, 184-189.	2.7	13
114	Ball-milling and AlB ₂ addition effects on the hydrogen sorption properties of the CaH ₂ +MgB ₂ system. Journal of Alloys and Compounds, 2011, 509, S714-S718.	5.5	13
115	Multicomponent crystals of gliclazide and tromethamine: preparation, physico-chemical, and pharmaceutical characterization. Drug Development and Industrial Pharmacy, 2018, 44, 243-250.	2.0	13
116	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
117	Influence of milling parameters on the sorption properties of the LiH-MgB ₂ system doped with TiCl ₃ . Journal of Alloys and Compounds, 2015, 645, S299-S303.	5.5	12
118	Nucleation and growth of Au and Au-Pd nanoparticles at the beginning of electrochemical deposition. Materials Letters, 2015, 161, 263-266.	2.6	12
119	Gold nanostars co-coated with the Cu(<i>scp</i>) complex of a tetraazamacrocyclic ligand. Dalton Transactions, 2015, 44, 5652-5661.	3.3	11
120	FA _{0.8} MA _{0.2} Sn _x Pb _{1-x} I ₃ Hybrid Perovskite Solid Solution: Toward Environmentally Friendly, Stable, and Near-IR Absorbing Materials. Inorganic Chemistry, 2016, 55, 12752-12757.	4.0	11
121	Carboxymethylinulin-Chitosan Nanoparticles for the Delivery of Antineoplastic Mitoxantrone. ChemMedChem, 2016, 11, 2436-2444.	3.2	11
122	Effect of the Process Parameters on the Energy Transfer during the Synthesis of the 2LiBH ₄ -MgH ₂ Reactive Hydride Composite for Hydrogen Storage. Metals, 2019, 9, 349.	2.3	11
123	Increased Antibacterial and Antibiofilm Properties of Silver Nanoparticles Using Silver Fluoride as Precursor. Molecules, 2020, 25, 3494.	3.8	11
124	Rice Industry By-Products as Adsorbent Materials for Removing Fluoride and Arsenic from Drinking Water—A Review. Applied Sciences (Switzerland), 2022, 12, 3166.	2.5	11
125	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
126	Thermal, Spectroscopic, and Ab Initio Structural Characterization of Carprofen Polymorphs. Journal of Pharmaceutical Sciences, 2011, 100, 2321-2332.	3.3	10

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127	Synthesis of YFeO ₃ by thermal decomposition of mechanically activated mixtures Y(CH ₃ COO) ₃ ·4H ₂ O ↔ FeC ₂ O ₄ ·2H ₂ O. <i>Thermochimica Acta</i> , 2011, 521, 218-223.	2.7	10
128	Comparison of the thermochemical and mechanochemical transformations in the 2NaNH ₂ ↔ MgH ₂ system. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1829-1835.	7.1	10
129	Optimal hydrogen storage in sodium substituted lithium fullerides. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21980-21986.	2.8	10
130	Kinetic alteration of the 6Mg(NH ₂) ₂ ↔ 9LiH ↔ LiBH ₄ system by co-adding YCl ₃ and Li ₃ N. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32105-32115.	2.8	10
131	The interaction of hydrogen with corannulene, a promising new platform for energy storage. <i>Carbon</i> , 2019, 155, 432-437.	10.3	10
132	In Situ X-ray Diffraction Studies on the De/rehydrogenation Processes of the K ₂ [Zn(NH ₂) ₄]-8LiH System. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1546-1551.	3.1	10
133	Solid state synthesis of stoichiometric LiCoO ₂ from mechanically activated Co ↔ Li ₂ CO ₃ mixtures. <i>Materials Chemistry and Physics</i> , 2006, 100, 251-256.	4.0	9
134	An Experimental and Theoretical Investigation of Loperamide Hydrochloride ↔ Glutaric Acid Cocrystals. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8113-8121.	2.6	9
135	Synthesis of calcium metastannate (CaSnO ₃) by solid state reactions in mechanically activated mixtures calcium citrate tetra hydrate [Ca ₃ (C ₆ H ₅ O ₇) ₂ ·4H ₂ O] ↔ tin(II) oxalate (SnC ₂ O ₄). <i>Thermochimica Acta</i> , 2015, 608, 59-64.	2.7	9
136	Anions as Triggers in Controlled Release Protocols from Mesoporous Silica Nanoparticles Functionalized with Macrocyclic Copper(II) Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 13935-13945.	3.3	9
137	Effect of Ni-nanoparticles decoration on graphene to enable high capacity sodium-ion battery negative electrodes. <i>Electrochimica Acta</i> , 2017, 250, 212-218.	5.2	9
138	Fullerene mixtures as negative electrodes in innovative Na-ion batteries. <i>Chemical Physics Letters</i> , 2019, 731, 136607.	2.6	9
139	Clickable cellulosic surfaces for peptide-based bioassays. <i>Talanta</i> , 2019, 205, 120152.	5.5	9
140	The combined effect of mechanical and thermal energy on the solid-state formation of NiFe ₂ O ₄ from the system 2NiCO ₃ ·3Ni(OH) ₂ ·4H ₂ O ↔ FeC ₂ O ₄ ·2H ₂ O. <i>Thermochimica Acta</i> , 2008, 469, 86-90.	2.7	8
141	In situ synchrotron radiation powder X-ray diffraction study of the 2LiNH ₂ +LiH+KBH ₄ system. <i>Journal of Alloys and Compounds</i> , 2013, 580, S278-S281.	5.5	8
142	Silica-supported pyrolyzed lignin for solid-phase extraction of rare earth elements from fresh and sea waters followed by ICP-MS detection. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7635-7643.	3.7	8
143	Hydrogen storage properties of magnesium borohydride infiltrated in silica aerogel using solvated and pressure methods. <i>Journal of Energy Storage</i> , 2020, 31, 101674.	8.1	8
144	PEEK ↔ WC-Based Mixed Matrix Membranes Containing Polyimine Cages for Gas Separation. <i>Molecules</i> , 2021, 26, 5557.	3.8	8

#	ARTICLE	IF	CITATIONS
145	Physiological and molecular aspects of seed longevity: exploring intra-species variation in eight <i>Pisum sativum</i> L. accessions. <i>Physiologia Plantarum</i> , 2022, 174, e13698.	5.2	8
146	Solid State Synthesis of CaMnO_3 from CaCO_3 - MnCO_3 Mixtures by Mechanical Energy. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 281-286.	0.7	7
147	Compatibility of paroxetine hydrochloride and GW597599B. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 381-388.	3.6	7
148	Synthesis of Li_2SnO_3 by solid state reaction and characterization by TG/DSC, XRPD, and MTDSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 763-767.	3.6	7
149	NaAlH_4 production from waste aluminum by reactive ball milling. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9877-9882.	7.1	7
150	Reversible hydrogen sorption in the composite made of magnesium borohydride and silica aerogel. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15245-15253.	7.1	7
151	Synthesis and characterization of mixed sodium and lithium fullerides for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16766-16773.	7.1	7
152	Tuning retention and selectivity in reversed-phase liquid chromatography by using functionalized multi-walled carbon nanotubes. <i>Arabian Journal of Chemistry</i> , 2019, 12, 541-548.	4.9	7
153	Using the Emission of Muonic X-rays as a Spectroscopic Tool for the Investigation of the Local Chemistry of Elements. <i>Nanomaterials</i> , 2020, 10, 1260.	4.1	7
154	Inside the failure mechanism of tin oxide as anode for sodium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1401-1410.	2.5	7
155	The Physico-Chemical Properties of Glipizide: New Findings. <i>Molecules</i> , 2021, 26, 3142.	3.8	7
156	Self-Supported Fibrous $\text{Sn}/\text{SnO}_2@C$ Nanocomposite as Superior Anode Material for Lithium-Ion Batteries. <i>Materials</i> , 2022, 15, 919.	2.9	7
157	Structure and properties of domperidone and its succinate salt. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013, 69, 362-370.	1.1	6
158	Silane-coated magnetic nanoparticles with surface thiol functions for conjugation with gold nanostars. <i>Dalton Transactions</i> , 2015, 44, 21088-21098.	3.3	6
159	Dicopper(II) Mozobil TM : a dinuclear receptor for the pyrophosphate anion in aqueous solution. <i>Supramolecular Chemistry</i> , 2017, 29, 834-845.	1.2	6
160	A comprehensive study on lithium-based reactive hydride composite (Li-RHC) as a reversible solid-state hydrogen storage system toward potential mobile applications. <i>RSC Advances</i> , 2021, 11, 23122-23135.	3.6	6
161	Sustainable NaAlH_4 production from recycled automotive Al alloy. <i>Green Chemistry</i> , 2022, 24, 4153-4163.	9.0	6
162	An effective activation method for industrially produced TiFeMn powder for hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165847.	5.5	6

#	ARTICLE	IF	CITATIONS
163	Mechanically assisted solid state synthesis of Mg ₂ SnO ₄ . Journal of Thermal Analysis and Calorimetry, 2012, 110, 831-837.	3.6	5
164	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
165	Mechano-thermal Synthesis of SrSnO ₃ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 313-320.	0.7	5
166	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
167	Alteration processes of pigments exposed to acetic and formic acid vapors. , 2017, , .		5
168	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
169	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
170	The Effect of Mechanical Activation on the Synthesis of MgFe ₂ O ₄ from Mixtures of MgCO ₃ ·Mg(OH) ₂ ·xH ₂ O and Fe ₂ O ₄ ·2H ₂ O. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1052-1056.	0.7	4
171	Mechano-thermally Activated Solid-state Synthesis of Li ₄ Ti ₅ O ₁₂ Spinel from Li ₂ CO ₃ ·TiO ₂ Mixtures. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 23-26.	0.7	4
172	Mechano-thermal 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
173	Nanoscale phase separation in coated Ag nanoparticles. Nanoscale, 2011, 3, 4220.	5.6	4
174	Highly ordered mesoporous magnesium niobate high- ϵ^* dielectric ceramic: synthesis, structural/mechanical characterization and thermal stability. Journal of Materials Chemistry C, 2013, 1, 4948.	5.5	4
175	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
176	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
177	Accelerated Thermal Aging Effects on Carbon-Based Perovskite Solar Cells: A Joint Experimental and Theoretical Analysis. Solar Rrl, 2021, 5, 2000759.	5.8	4
178	Development of an Accelerated Stability Model to Estimate Purple Corn Cob Extract Powder (Moradyn) Shelf-Life. Foods, 2021, 10, 1617.	4.3	4
179	Hydrogenation via a low energy mechanochemical approach: the MgB ₂ case. JPhys Energy, 2021, 3, 044001.	5.3	4
180	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

#	ARTICLE	IF	CITATIONS
181	Mechanochemically assisted solid-state synthesis of lithium gallates (LiGa ₅ O ₈ and LiGaO ₂). Materials Chemistry and Physics, 2005, 91, 180-184.	4.0	3
182	Solid-state Reaction Study on Physically and Tribochemically Prepared BaC ₂ O ₄ -SnC ₂ O ₄ Mixtures. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 667-672.	0.7	3
183	Physico-chemical and pharmaceutical characterization of sulindac-proglumide binary system. Journal of Thermal Analysis and Calorimetry, 2019, 136, 2063-2070.	3.6	3
184	Nickel addition to optimize the hydrogen storage performance of lithium intercalated fullerenes. Materials Research Bulletin, 2020, 126, 110848.	5.2	3
185	Zaltoprofen/4,4'-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
186	ELECTROCHEMICAL PROPERTIES OF THE COMPOSITES SYNTHESIZED FROM POLYANILINE AND MODIFIED MWCNT. Chemistry and Chemical Technology, 2017, 11, 261-269.	1.1	3
187	Spectroscopic Techniques and DFT Calculations to Highlight the Effect of Fe ³⁺ on the Properties of FeNb ₁₁ O ₂₉ , Anode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2022, 126, 4698-4709.	3.1	3
188	A New Polysaccharide Carrier Isolated from Camelina Cake: Structural Characterization, Rheological Behavior, and Its Influence on Purple Corn Cob Extract's Bioaccessibility. Foods, 2022, 11, 1736.	4.3	3
189	Charge storage and the oxygen evolution reaction in mixed Ni-Li oxides. Physical Chemistry Chemical Physics, 2009, 11, 7678.	2.8	2
190	Febantel: looking for new polymorphs. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1605-1612.	3.6	2
191	Degassing and phase transitions with temperature in melanophlogite. Microporous and Mesoporous Materials, 2019, 286, 9-17.	4.4	2
192	De-hydrogenation/Rehydrogenation Properties and Reaction Mechanism of AmZn(NH ₂) _n -2nLiH Systems (A = Li, K, Na, and Rb). Sustainability, 2022, 14, 1672.	3.2	2
193	Effect of High-energy Milling on the Solid State Formation of Zinc Manganites (Zn _x Mn _{3-x} O ₄ , 0.5 ≤ x ≤ 1.5) from the System ZnC ₂ O ₄ · 2H ₂ O-n MnCO ₃ (n = 1, 1.5 and 2). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 663-668.	0.7	1
194	Ni - based Electrodes for Hydrogen and Oxygen Generation. ECS Transactions, 2009, 16, 9-19.	0.5	1
195	Effect of powder characteristics for a magnesium based metal hydride store. International Journal of Hydrogen Energy, 2014, 39, 19646-19655.	7.1	1
196	Cycloaddition reactions in material science. , 2019, , 269-323.		1
197	Probenecid and benzamide: DSC applied to the study of an "impossible" pharmaceutical system. Journal of Thermal Analysis and Calorimetry, 2021, 145, 391-402.	3.6	1
198	Accelerated Thermal Aging Effects on Carbon-Based Perovskite Solar Cells: A Joint Experimental and Theoretical Analysis. , 0, , .		1

#	ARTICLE	IF	CITATIONS
199	Synthesis of LaCoO ₃ powder by a combined mechanical/thermal process. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 719-724.	0.7	0
200	Preparation of NiO- ^{Li} FeO ₂ solid solutions: the role of mechanical and thermal treatments. International Journal of Materials Research, 2007, 98, 205-208.	0.3	0