

# Lãtitia Laversenne

## List of Publications by Year in descending order

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35  
papers

1,476  
citations

331259

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h-index

344852

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37  
docs citations

37  
times ranked

1494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Storage Properties of a New Ti-V-Cr-Zr-Nb High Entropy Alloy. <i>Hydrogen</i> , 2022, 3, 270-284.	1.7	8
2	How 10 at% Al Addition in the Ti-V-Zr-Nb High-Entropy Alloy Changes Hydrogen Sorption Properties. <i>Molecules</i> , 2021, 26, 2470.	1.7	23
3	Hydrogen Sorption Properties of a Novel Refractory Ti-V-Zr-Nb-Mo High Entropy Alloy. <i>Hydrogen</i> , 2021, 2, 399-413.	1.7	11
4	Hydrogen Storage Properties of Mg-Ni Alloys Processed by Fast Forging. <i>Energies</i> , 2020, 13, 3509.	1.6	11
5	Improving hydrogen storage performance of Mg-based alloy through microstructure optimization. <i>Journal of Power Sources</i> , 2020, 480, 228823.	4.0	38
6	Hydrogen storage properties of the refractory Ti-V-Zr-Nb-Ta multi-principal element alloy. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155376.	2.8	61
7	TiVZrNb Multi-Principal-Element Alloy: Synthesis Optimization, Structural, and Hydrogen Sorption Properties. <i>Molecules</i> , 2019, 24, 2799.	1.7	65
8	Super-quadratic upconversion luminescence among lanthanide ions. <i>Optics Express</i> , 2019, 27, 33217.	1.7	4
9	On the Yttrium Tantalate - Zirconia phase diagram. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3317-3324.	2.8	29
10	Effect of texture on the structural and transport properties of Sb-doped Mg <sub>2</sub> Si thin films. <i>Journal of Alloys and Compounds</i> , 2016, 688, 195-201.	2.8	9
11	Investigation of Diffusion Barrier Layers for Bi-Doped Mg <sub>2</sub> (Si,Ge) Thermoelectric Legs. <i>Journal of Electronic Materials</i> , 2016, 45, 5570-5581.	1.0	1
12	In situ X-Ray diffraction study of hydrogen sorption in V-rich Ti-V-Cr bcc solid solutions. <i>Journal of Alloys and Compounds</i> , 2015, 648, 79-85.	2.8	12
13	Superior effect of Ni-substitution on the hydrogenation kinetics of Mg <sub>6</sub> Pd <sub>1</sub> -TM (TM = Ag, Cu, Ni) pseudo-binary compounds. <i>Journal of Alloys and Compounds</i> , 2015, 645, S334-S337.	2.8	2
14	Investigation of Mg <sub>2</sub> (Si,Sn) thin films for integrated thermoelectric devices. <i>Journal of Alloys and Compounds</i> , 2015, 649, 573-578.	2.8	13
15	High pressure and high temperature <i>in situ</i> X-ray diffraction studies in the Paris-Edinburgh cell using a laboratory X-ray source. <i>High Pressure Research</i> , 2014, 34, 167-175.	0.4	7
16	MgH <sub>2</sub> thin films deposited by one-step reactive plasma sputtering. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17718-17725.	3.8	17
17	In operando study of TiVCr additive in MgH <sub>2</sub> composites. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11937-11945.	3.8	13
18	Structural Properties and Reversible Deuterium Loading of MgD <sub>2</sub> -TiD <sub>2</sub> Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18851-18862.	1.5	42

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19	Revision of the NaBO <sub>2</sub> •H <sub>2</sub> O phase diagram for optimized yield in the H <sub>2</sub> generation through NaBH <sub>4</sub> hydrolysis. International Journal of Hydrogen Energy, 2012, 37, 5798-5810.	3.8	33
20	Improved hydrogen storage capacity through hydrolysis of solid NaBH <sub>4</sub> catalyzed with cobalt boride. International Journal of Hydrogen Energy, 2011, 36, 2145-2153.	3.8	59
21	Synthesis, Characterization, and Crystal Structure of a New Trisodium Triborate, Na <sub>3</sub> [B <sub>3</sub> O <sub>4</sub> (OH) <sub>4</sub> ]. Inorganic Chemistry, 2010, 49, 4830-4835.	1.9	16
22	A multifactor study of catalyzed hydrolysis of solid NaBH <sub>4</sub> on cobalt nanoparticles: Thermodynamics and kinetics. International Journal of Hydrogen Energy, 2009, 34, 938-951.	3.8	81
23	Hydrogen storage in borohydrides Comparison of hydrolysis conditions of LiBH <sub>4</sub> , NaBH <sub>4</sub> and KBH <sub>4</sub> . Journal of Thermal Analysis and Calorimetry, 2008, 94, 785-790.	2.0	45
24	Ti:Sapphire waveguide lasers. Laser Physics Letters, 2007, 4, 560-571.	0.6	36
25	Room-temperature continuous-wave operation of Ti:sapphire buried channel-waveguide lasers fabricated via proton implantation. Optics Letters, 2006, 31, 3450.	1.7	40
26	Parallel broadband fluorescent light source for optical coherence tomography. , 2005, , .		4
27	Designable buried waveguides in sapphire by proton implantation. Applied Physics Letters, 2004, 85, 5167-5169.	1.5	40
28	Femtosecond-irradiation-induced refractive-index changes and channel waveguiding in bulk Ti <sup>3+</sup> :Sapphire. Applied Physics Letters, 2004, 85, 1122-1124.	1.5	104
29	Radiation trapping and self-quenching analysis in Yb <sup>3+</sup> , Er <sup>3+</sup> , and Ho <sup>3+</sup> doped Y <sub>2</sub> O <sub>3</sub> . Optical Materials, 2003, 24, 103-109.	1.7	212
30	Growth and spectroscopic analysis of Yb <sup>3+</sup> -doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> fiber single crystals. Journal of Applied Physics, 2003, 94, 5479-5488.	1.1	75
31	Growth of rare earth (RE) doped concentration gradient crystal fibers and analysis of dynamical processes of laser resonant transitions in RE-doped Y <sub>2</sub> O <sub>3</sub> (RE=Yb <sup>3+</sup> , Er <sup>3+</sup> , Ho <sup>3+</sup> ). Journal of Alloys and Compounds, 2002, 341, 214-219.	2.8	61
32	Search of optimized trivalent ytterbium doped-inorganic crystals for laser applications. Journal of Alloys and Compounds, 2002, 341, 2-7.	2.8	44
33	Correlation between dopant content and excited-state dynamics properties in Er <sup>3+</sup> •Yb <sup>3+</sup> -codoped Y <sub>2</sub> O <sub>3</sub> by using a new combinatorial method. Optical Materials, 2002, 19, 59-66.	1.7	37
34	Optimization of spectroscopic properties of Yb <sup>3+</sup> -doped refractory sesquioxides: cubic and monoclinic Gd <sub>2</sub> O <sub>3</sub> . Optical Materials, 2001, 16, 475-483.	1.7	199
35	New combinatorial chemistry approach in material science. Journal of Phase Equilibria and Diffusion, 2001, 22, 379-385.	0.3	22