

# Jenny Jouin

## List of Publications by Year in descending order

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53  
papers

1,093  
citations

430874

18  
h-index

414414

32  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure and phase transitions of sodium potassium niobate perovskites. Solid State Sciences, 2009, 11, 320-324.	3.2	187
2	A comparative study of the Aurivillius phase ferroelectrics CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> and BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> . Journal of Solid State Chemistry, 2004, 177, 1829-1837.	2.9	110
3	Phase transitions of sodium niobate powder and ceramics, prepared by solid state synthesis. Journal of Applied Physics, 2010, 108, .	2.5	70
4	Acid-based geopolymers: Understanding of the structural evolutions during consolidation and after thermal treatments. Journal of Non-Crystalline Solids, 2019, 512, 90-97.	3.1	57
5	Composition and properties of phosphoric acid-based geopolymers. Journal of Non-Crystalline Solids, 2018, 493, 94-98.	3.1	56
6	Lead-free Ferroelectric Potassium Sodium Niobate Thin Films from Solution: Composition and Structure. Journal of the American Ceramic Society, 2012, 95, 515-523.	3.8	52
7	Influence of various metakaolin raw materials on the water and fire resistance of geopolymers prepared in phosphoric acid. Journal of Non-Crystalline Solids, 2018, 500, 493-501.	3.1	43
8	Investigation on the structural and microstructural properties of copper-doped hydroxyapatite coatings deposited using solution precursor plasma spraying. Journal of the European Ceramic Society, 2019, 39, 4255-4263.	5.7	38
9	Advanced microstructural study of solution precursor plasma sprayed Zn doped hydroxyapatite coatings. Journal of the European Ceramic Society, 2018, 38, 2134-2144.	5.7	33
10	Relation between working properties and structural properties from <sup>27</sup> Al, <sup>29</sup> Si and <sup>31</sup> P NMR and XRD of acid-based geopolymers from 25 to 1000°C. Materials Chemistry and Physics, 2019, 228, 293-302.	4.0	33
11	Influence of the substrate on the phase composition and electrical properties of 0.65PMN/0.35PT thick films. Journal of the European Ceramic Society, 2010, 30, 2081-2092.	5.7	31
12	Structure and the Electrical Properties of $\text{Pb}(\text{Zr,Ti})\text{O}_3$ Zirconia Composites. Journal of the American Ceramic Society, 2012, 95, 651-657.	3.8	29
13	Structure versus relaxor properties in Aurivillius type compounds. Journal of the European Ceramic Society, 2007, 27, 3687-3690.	5.7	27
14	Structural and electrical properties of 0.57PSN/0.43PT ceramics prepared by mechanochemical synthesis and sintered at low temperature. Journal of the European Ceramic Society, 2012, 32, 449-456.	5.7	23
15	Extended x-ray absorption fine structure study of phase transitions in the piezoelectric perovskite K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> . Journal of Applied Physics, 2009, 105, .	2.5	22
16	Transparent, amorphous and organics-free ZnO thin films produced by chemical solution deposition at 150°C. Thin Solid Films, 2010, 518, 5134-5139.	1.8	22
17	ALKALINE NIOBATE-BASED PIEZOCERAMICS: CRYSTAL STRUCTURE, SYNTHESIS, SINTERING AND MICROSTRUCTURE. Functional Materials Letters, 2010, 03, 15-18.	1.2	18
18	Identification of the rate-determining step in oxygen transport through La <sub>(1-x)</sub> Sr <sub>x</sub> Fe <sub>(1-y)</sub> Ga <sub>y</sub> O <sub>3</sub> perovskite membranes. Journal of Membrane Science, 2015, 476, 340-347.	8.2	18

#	ARTICLE	IF	CITATIONS
19	Structural evolution in three and four-layer Aurivillius solid solutions: A comparative study versus relaxor properties. <i>Solid State Sciences</i> , 2008, 10, 177-185.	3.2	17
20	Phase transition sequence in ferroelectric Aurivillius compounds investigated by single crystal X-ray diffraction. <i>Solid State Sciences</i> , 2012, 14, 1367-1371.	3.2	16
21	The Effect of Poling on the Properties of $0.65\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 0.35\text{PbTiO}_3$ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 035801.	1.5	15
22	Unusual structural-disorder stability of mechanochemically derived- $\text{Pb}(\text{Sc}_{0.5}\text{Nb}_{0.5})\text{O}_3$ . <i>Journal of Materials Chemistry C</i> , 2015, 3, 10309-10315.	5.5	15
23	Crystal structure of the Aurivillius phases in the system $\text{Bi}_4\text{Ti}_3\text{O}_{12} \sim \text{PbTiO}_3$ . <i>Zeitschrift für Kristallographie</i> , 2007, 222, 234-243.	1.1	13
24	Study of the formation of the apatite-type phases $\text{La}_{9.33+x}(\text{SiO}_4)_6\text{O}_{2+3x/2}$ synthesized from a lanthanum oxycarbonate $\text{La}_2\text{O}_2\text{CO}_3$ . <i>Solid State Sciences</i> , 2014, 38, 150-155.	3.2	13
25	The influence of thermal stresses on the phase composition of $0.65\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \sim 0.35\text{PbTiO}_3$ thick films. <i>Journal of Applied Physics</i> , 2011, 109, 014101.	2.5	12
26	The crystal structure of the mixed-layer Aurivillius phase $\text{Bi}_5\text{Ti}_{1.5}\text{W}_{1.5}\text{O}_{15}$ . <i>Solid State Sciences</i> , 2005, 7, 1025-1034.	3.2	11
27	Inkjet Printing of $\text{In}_2\text{O}_3/\text{ZnO}$ Two-Dimensional Structures from Solution. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2834-2840.	3.8	11
28	Stabilization Effect of Surface Impurities on the Structure of Ultrasmall $\text{ZrO}_2$ Nanoparticles: An Ab-Initio Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15618-15626.	3.1	9
29	Well-aligned polycrystalline lanthanum silicate oxyapatite grown by reactive diffusion between solid $\text{La}_2\text{SiO}_5$ and gases $[\text{SiO} + 1/2\text{O}_2]$ . <i>Journal of Solid State Chemistry</i> , 2016, 235, 1-6.	2.9	9
30	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2149-2158.	5.7	9
31	Control of the alumino-silico-phosphate geopolymers properties and structures by the phosphorus concentration. <i>Materials Chemistry and Physics</i> , 2021, 258, 123867.	4.0	9
32	Phase formation and crystal structure determination in the $\text{Y}_2\text{O}_3 \sim \text{TeO}_2$ system prepared in an oxygen atmosphere. <i>Journal of the European Ceramic Society</i> , 2012, 32, 4263-4269.	5.7	8
33	Crystal Structure and Oxide-Ion Conductivity of Highly Grain-Aligned Polycrystalline Lanthanum Germanate Oxyapatite Grown by Reactive Diffusion between Solid $\text{La}_2\text{GeO}_5$ and Gases $[\text{GeO} + 1/2\text{O}_2]$ . <i>Crystal Growth and Design</i> , 2015, 15, 3435-3441.	3.0	7
34	Structure and analgesic properties of layered double hydroxides intercalated with low amounts of ibuprofen. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2712-2721.	3.8	7
35	Detrimental Effect and Neutralization of <i>in Situ</i> Produced Water on Zirconia Nanoparticles Obtained by a Nonaqueous Sol-Gel Method. <i>Inorganic Chemistry</i> , 2019, 58, 15175-15188.	4.0	7
36	Crystallization Pathway of Size-Controlled $\text{SnO}_2$ Nanoparticles Synthesized via a Nonaqueous Sol-Gel Route. <i>Crystal Growth and Design</i> , 2020, 20, 1110-1118.	3.0	7

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37	Study of the formation of acid-based geopolymer networks and their resistance to water by time/temperature treatments. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5445-5456.	3.8	7
38	Local structure and oxide-ion conduction mechanism in apatite-type lanthanum silicates. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 644-653.	6.1	6
39	Extended Duration of Rubidium Vapor in Aluminosilicate Ceramic Coated Hypocycloidal Core Kagome HC-PCF. <i>Journal of Lightwave Technology</i> , 2014, 32, 2486-2491.	4.6	5
40	Ground-state atomic polarization relaxation-time measurement of Rb filled hypocycloidal core-shaped Kagome HC-PCF. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 185401.	1.5	4
41	Solvent effect in the nonaqueous synthesis of ZrO <sub>2</sub> nanoparticles under alkaline conditions. <i>Journal of Materials Science</i> , 2020, 55, 2802-2814.	3.7	2
42	Layered double hydroxide-indomethacin hybrid: A promising biocompatible compound for the treatment of neuroinflammatory diseases. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102190.	3.0	2
43	The Influence of Alkaline Germanate Based Liquid Phase Sintering Aid on Microstructure and Phase Composition of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> Ceramics. <i>Microscopy and Microanalysis</i> , 2009, 15, 786-787.	0.4	1
44	Progress towards atomic vapor photonic microcells: Coherence and polarization relaxation measurements in coated and uncoated HC-PCF. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
45	Kinetics of reactive diffusion between solid La <sub>2</sub> GeO <sub>5</sub> and gases [GeO + 1/2O <sub>2</sub> ]. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 524-527.	1.1	1
46	Synthesis and characterization of ultrasmall zirconia particles prepared via nonhydrolytic route. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s385-s386.	0.1	0
47	Single laser-beam generated sub-Doppler transparencies in Rb-filled Kagome HC-PCF. , 2017, , .		0
48	Atomic polarization relaxation time measurement of Rb filled hypocycloidal core shape Kagome HC-PCF. , 2013, , .		0
49	Long rubidium vapor lifetime in aluminosilicate sol-gel coated hypocycloidal core shape kagome HC-PCF. , 2013, , .		0
50	Ground-state population relaxation dynamics of polarized Rb atoms in Kagome HC-PCF. , 2016, , .		0
51	Narrow electromagnetically induced transparencies in Rb confined large-core core inner-wall coated Kagome HC-PCFs. , 2018, , .		0
52	In-situ dwell-time measurement of Rb at the inner-wall coated-surface of HC-PCF. , 2018, , .		0
53	Aluminum concentration range for the extrudability of ceramic pastes. <i>Open Ceramics</i> , 2022, 9, 100213.	2.0	0