

Laura Martel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Insight into the Crystal Structures and Physical Properties of the Uranium Borides $UB_{1.78} \pm 0.02$, $UB_{3.61} \pm 0.041$ and $UB_{11.19} \pm 0.13$. Minerals (Basel, Switzerland), 2022, 12, 29.	0.8	0
2	Local Structure and Magnetism of $La_{1-x}M_xPO_4$ ($M = Tj, ET, Q, O, O, rg, BT, Over$) Journal of Physical Chemistry C, 2021, 125, 22163-22174.	1.5	4
3	^{31}P MAS NMR and DFT study of crystalline phosphate matrices. Solid State Nuclear Magnetic Resonance, 2020, 105, 101638.	1.5	7
4	Synthesis, Characterization, and Stability of Americium Phosphate, $AmPO_4$. Inorganic Chemistry, 2020, 59, 6595-6602.	1.9	6
5	Local structure and magnetism of $La_{1-x}M_xPO_4$ ($M = Tj, ET, Q, O, O, rg, BT, Over$) Journal of Physical Chemistry C, 2021, 125, 22163-22174.	1.1	6
6	Plutonium and Americium Aluminate Perovskites. Inorganic Chemistry, 2019, 58, 9118-9126.	1.9	9
7	Aliovalent Cation Substitution in UO_2 : Electronic and Local Structures of $U_{1-y}La_yO_{2 \pm x}$ Solid Solutions. Inorganic Chemistry, 2018, 57, 1535-1544.	1.9	28
8	Insight into the Crystalline Structure of ThF_4 with the Combined Use of Neutron Diffraction, ^{19}F Magic-Angle Spinning-NMR, and Density Functional Theory Calculations. Inorganic Chemistry, 2018, 57, 15350-15360.	1.9	12
9	A low-temperature synthesis method for AnO_2 nanocrystals ($An = Th, U, Np, and Pu$) and associate solid solutions. CrystEngComm, 2018, 20, 4614-4622.	1.3	40
10	Magnetization, specific heat, ^{17}O NMR, and $Np^{237}M\ddot{a}$ ssbauer study of $U_{0.15}Np_{0.85}O_2$. Physical Review B, 2018, 98, .	1.1	7
11	Fingerprint of local disorder in long range ordered isometric pyrochlores. Scientific Reports, 2017, 7, 12269.	1.6	17
12	$CaTh(PO_4)_2$ cheralite as a candidate ceramic nuclear waste form: Spark plasma sintering and physicochemical characterisation. Journal of the European Ceramic Society, 2016, 36, 4115-4121.	2.8	25
13	Innovative preparation route for uranium carbide using citric acid as a carbon source. Ceramics International, 2016, 42, 16710-16717.	2.3	16
14	Self-healing capacity of nuclear glass observed by NMR spectroscopy. Scientific Reports, 2016, 6, 25499.	1.6	38
15	Structural Investigation of $(U_{0.7}Pu_{0.3})O_{2-x}$ Mixed Oxides. Inorganic Chemistry, 2015, 54, 5358-5365.	1.9	30
16	Structural investigations of $PuIII$ phosphate by X-ray diffraction, MAS-NMR and XANES spectroscopy. Journal of Solid State Chemistry, 2015, 230, 169-174.	1.4	21
17	Ferromagnetic ordering in $NpAl_2$: Magnetic susceptibility and Al nuclear magnetic resonance. Journal of Magnetism and Magnetic Materials, 2015, 387, 72-76.	1.0	2
18	A New Look at the Structural Properties of Trisodium Uranate Na_3UO_4 . Inorganic Chemistry, 2015, 54, 3552-3561.	1.9	22

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19	Structural Investigation of Uranium–Neptunium Mixed Oxides Using XRD, XANES, and ¹⁷ O MAS NMR. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27640-27647.	1.5	29
20	High-Resolution Solid-State Oxygen-17 NMR of Actinide-Bearing Compounds: An Insight into the 5f Chemistry. <i>Inorganic Chemistry</i> , 2014, 53, 6928-6933.	1.9	36
21	A ²³ Na Magic Angle Spinning Nuclear Magnetic Resonance, XANES, and High-Temperature X-ray Diffraction Study of NaUO ₃ , Na ₄ UO ₅ , and Na ₂ U ₂ O ₇ . <i>Inorganic Chemistry</i> , 2014, 53, 375-382.	1.9	28
22	Structure of UC ₂ and U ₂ C ₃ : XRD, ¹³ C NMR and EXAFS study. <i>Journal of Alloys and Compounds</i> , 2014, 589, 234-239.	2.8	8
23	Phase separation in sodium silicates observed by solid-state MAS-NMR. <i>Journal of Non-Crystalline Solids</i> , 2014, 390, 37-44.	1.5	14
24	Coupling XRD, EXAFS, and ¹³ C NMR to Study the Effect of the Carbon Stoichiometry on the Local Structure of UC _{1±x} . <i>Inorganic Chemistry</i> , 2013, 52, 11669-11676.	1.9	12
25	Effects of the orientation of the ²³ Na– ²⁹ Si dipolar vector on the dipolar mediated heteronuclear solid state NMR correlation spectrum of crystalline sodium silicates. <i>Solid State Nuclear Magnetic Resonance</i> , 2012, 45-46, 1-10.	1.5	11
26	Controlling the Size of Nanodomains in Calcium Aluminosilicate Glasses. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18935-18945.	1.5	37
27	Complete determination of natural site-specific enantio-isotopomeric excesses in linoleic acid using natural abundance deuterium 2D NMR in polypeptide mesophases. <i>Chemical Communications</i> , 2010, 46, 6599.	2.2	28