Elena Solana-Madruga

List of Publications by Year
in descending order

32	362	933264 10	839398 18
papers	citations	h-index	g-index

33	33	33	271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, Structure and Magnetic Properties of NiFe₃O₅. ECS Journal of Solid State Science and Technology, 2022, 11, 013009.	0.9	4
2	Giant coercivity and spin clusters in high pressure polymorphs of Mn₂LiReO₆.. Journal of Materials Chemistry C, 2022, 10, 4336-4341.	2.7	9
3	A New Cationâ€Ordered Structure Type with Multiple Thermal Redistributions in Co₂InSbO₆. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
4	Abrupt Negative Thermal Expansion and Magnetic Structure of V₃O₅. Chemistry of Materials, 2022, 34, 5294-5300.	3.2	2
5	Mn₃MnNb₂O₉: high-pressure triple perovskite with 1â€‰:â€‰2 B-site order and modulated spins. Chemical Communications, 2021, 57, 8441-8444.	2.2	7
6	Complex magnetism in Ni₃TeO₆-type Co₃TeO₆ and high-pressure polymorphs of Mn_{3â^'x}Co_xTeO₆ solid solutions. Chemical Communications, 2021, 57, 2511-2514.	2.2	7
7	Substitutional tuning of electronic phase separation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ca</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, .	0.9	3
8	Cluster Spin Glass Formation in the Double Double Perovskite CaMnFeTaO₆. Journal of Physical Chemistry C, 2021, 125, 9550-9555.	1.5	12
9	Ferrimagnetism and spin reorientation in the high-pressure double double perovskites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ca</mml:mi><mml:mi>Mn</mml:mi><mml:mi>Cr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ca</mml:mi><mml:mi>Mn</mml:mi><mml:mi>Fe</mml:mi><mml:msub><mml:mi mathvariant="no. Physical Review Materials, 2021, 5, .	0.9	9
10	Double Double to Double Perovskite Transformations in Quaternary Manganese Oxides. Angewandte Chemie, 2021, 133, 22422-22426.	1.6	2
11	Double Double to Double Perovskite Transformations in Quaternary Manganese Oxides. Angewandte Chemie - International Edition, 2021, 60, 22248-22252.	7.2	6
12	Spin structures and band gap reduction of high-pressure triple perovskite Mn₃MnTa₂O₉. Journal of Materials Chemistry C, 2021, 9, 14916-14920.	2.7	2
13	Complex magnetic structures in frustrated A-site manganites. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, C402-C402.	0.0	0
14	Studies of the 4d and 5d 6H perovskites Ba₃BM₂O₉, B = Ti, Zn, Y; M = Ru, Os, and cubic BaB_{1/3}Ru_{2/3}O₃ polymorphs stabilised under high pressure. Dalton Transactions, 2020, 49, 12222-12233.	1.6	2
15	Unconventional magnetism in the high pressure â€˜all transition metalâ€™ double perovskite Mn₂NiReO₆. Chemical Communications, 2020, 56, 12574-12577.	2.2	15
16	YRuO3 : A quantum weak ferromagnet. Physical Review Materials, 2020, 4, .	0.9	4
17	Magnetic frustration in partially ordered double perovskites Ln3Ni2RuO9 (LnÂ= La, Nd). Journal of Alloys and Compounds, 2019, 806, 1509-1516.	2.8	3
18	Ferri- and ferro-magnetism in CaMnMReO₆ double double perovskites of late transition metals M = Co and Ni. Chemical Communications, 2019, 55, 2605-2608.	2.2	19

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19	Magnetic frustration in the high-pressure Mn2MnTeO6 (Mn3TeO6-II) double perovskite. Chemical Communications, 2019, 55, 14470-14473.	2.2	16
20	Cation-ordered Pb2-xBixMnO4 solid solutions with magnetic frustration. Journal of Solid State Chemistry, 2019, 269, 336-340.	1.4	3
21	Anisotropic magnetic structures of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Mn</mml:mi><mml:mi>R</mml:mi><mml:msub><mml:mrow><mml:mi>m</mml:mi> high-pressure doubly ordered perovskites (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (xmlns:mml="http://www. Physical Review B, 2018, 97, .	1.1	22
22	Lock-in spin structures and ferrimagnetism in polar Ni_{2â^'x}Co_xScSbO₆ oxides. Chemical Communications, 2018, 54, 12523-12526.	2.2	7
23	Evolving spin periodicity and lock-in transition in the frustrated ordered ilmenite-type <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î²</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml: Physical Review B, 2018, 98, .	1.1	9
24	Complex Cation and Spin Orders in the High-Pressure Ferrite CoFe₃O₅. Inorganic Chemistry, 2018, 57, 14347-14352.	1.9	8
25	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn₂FeSbO₆. Angewandte Chemie, 2017, 129, 4509-4513.	1.6	6
26	Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn₂FeSbO₆. Angewandte Chemie - International Edition, 2017, 56, 4438-4442.	7.2	23
27	Double Double Cation Order in the Highâ€Pressure Perovskites MnRMnSbO 6. Angewandte Chemie, 2016, 128, 9486-9490.	1.6	7
28	Double Double Cation Order in the Highâ€Pressure Perovskites MnRMnSbO₆. Angewandte Chemie - International Edition, 2016, 55, 9340-9344.	7.2	48
29	Synthesis, structures and magnetic properties of the dimorphic Mn₂CrSbO₆oxide. Dalton Transactions, 2015, 44, 10665-10672.	1.6	39
30	High pressure synthesis of polar and non-polar cation-ordered polymorphs of Mn₂ScSbO₆. Dalton Transactions, 2015, 44, 20441-20448.	1.6	41
31	Magnetic and crystal structure determination of Mn₂FeSbO₆double perovskite. Journal of Physics Condensed Matter, 2013, 25, 206004.	0.7	22
32	A New Cationâ€Ordered Structure Type with Multiple Thermal Redistributions in Co2InSbO6. Angewandte Chemie, 0, , .	1.6	0