# 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 | Double Double Cation Order in the Highâ€Pressure Perovskites MnRMnSbO<sub>6</sub>. Angewandte Chemie - International Edition, 2016, 55, 9340-9344. | 7.2 | 48 |
| 2 | High pressure synthesis of polar and non-polar cation-ordered polymorphs of Mn<sub>2</sub>ScSbO<sub>6</sub>. Dalton Transactions, 2015, 44, 20441-20448. | 1.6 | 41 |
| 3 | Synthesis, structures and magnetic properties of the dimorphic Mn<sub>2</sub>CrSbO<sub>6</sub>oxide. Dalton Transactions, 2015, 44, 10665-10672. | 1.6 | 39 |
| 4 | Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn<sub>2</sub>FeSbO<sub>6</sub>. Angewandte Chemie - International Edition, 2017, 56, 4438-4442. | 7.2 | 23 |
| 5 | Magnetic and crystal structure determination of Mn<sub>2</sub>FeSbO<sub>6</sub>double perovskite. Journal of Physics Condensed Matter, 2013, 25, 206004. | 0.7 | 22 |
| 6 | 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:m high-pressure doubly ordered perovskites ( <mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (xmlns:mml="http://www.w3.org/1 | 1.1 | 22 |
| 7 | Physical Review B, 2018, 97, . Ferri- and ferro-magnetism in CaMnMReO<sub>6</sub> double double perovskites of late transition metals M = Co and Ni. Chemical Communications, 2019, 55, 2605-2608. | 2.2 | 19 |
| 8 | Magnetic frustration in the high-pressure Mn2MnTeO6 (Mn3TeO6-II) double perovskite. Chemical Communications, 2019, 55, 14470-14473. | 2.2 | 16 |
| 9 | Unconventional magnetism in the high pressure â€˜all transition metalâ€™ double perovskite Mn<sub>2</sub>NiReO<sub>6</sub>. Chemical Communications, 2020, 56, 12574-12577. | 2.2 | 15 |
| 10 | Cluster Spin Glass Formation in the Double Double Perovskite CaMnFeTaO<sub>6</sub>. Journal of Physical Chemistry C, 2021, 125, 9550-9555. | 1.5 | 12 |
| 11 | 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:m Physical Review B, 2018, 98, . | 1.1 | 9 |
| 12 | 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:m 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:m mathvariant="no. Physical Review Materials, 2021, 5, . | 0.9 | 9 |
| 13 | Giant coercivity and spin clusters in high pressure polymorphs of Mn<sub>2</sub>LiReO<sub>6</sub>.. Journal of Materials Chemistry C, 2022, 10, 4336-4341. | 2.7 | 9 |
| 14 | Complex Cation and Spin Orders in the High-Pressure Ferrite CoFe<sub>3</sub>O<sub>5</sub>. Inorganic Chemistry, 2018, 57, 14347-14352. | 1.9 | 8 |
| 15 | Double Double Cation Order in the Highâ€Pressure Perovskites MnRMnSbO 6. Angewandte Chemie, 2016, 128, 9486-9490. | 1.6 | 7 |
| 16 | Lock-in spin structures and ferrimagnetism in polar Ni<sub>2â^'x</sub>Co<sub>x</sub>ScSbO<sub>6</sub> oxides. Chemical Communications, 2018, 54, 12523-12526. | 2.2 | 7 |
| 17 | Mn<sub>3</sub>MnNb<sub>2</sub>O<sub>9</sub>: high-pressure triple perovskite with 1â€‰:â€‰2 B-site order and modulated spins. Chemical Communications, 2021, 57, 8441-8444. | 2.2 | 7 |
| 18 | Complex magnetism in Ni<sub>3</sub>TeO<sub>6</sub>-type Co<sub>3</sub>TeO<sub>6</sub> and high-pressure polymorphs of Mn<sub>3â^'x</sub>Co<sub>x</sub>TeO<sub>6</sub> solid solutions. Chemical Communications, 2021, 57, 2511-2514. | 2.2 | 7 |

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|---|---|---|---|
| 19 | Large Magnetoelectric Coupling Near Room Temperature in Synthetic Melanostibite Mn<sub>2</sub>FeSbO<sub>6</sub>. Angewandte Chemie, 2017, 129, 4509-4513. | 1.6 | 6 |
| 20 | Double Double to Double Perovskite Transformations in Quaternary Manganese Oxides. Angewandte Chemie - International Edition, 2021, 60, 22248-22252. | 7.2 | 6 |
| 21 | A New Cationâ€Ordered Structure Type with Multiple Thermal Redistributions in Co<sub>2</sub>InSbO<sub>6</sub>. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 5 |
| 22 | YRuO3 : A quantum weak ferromagnet. Physical Review Materials, 2020, 4, . | 0.9 | 4 |
| 23 | Synthesis, Structure and Magnetic Properties of NiFe<sub>3</sub>O<sub>5</sub>. ECS Journal of Solid State Science and Technology, 2022, 11, 013009. | 0.9 | 4 |
| 24 | Magnetic frustration in partially ordered double perovskites Ln3Ni2RuO9 (LnÂ= La, Nd). Journal of Alloys and Compounds, 2019, 806, 1509-1516. | 2.8 | 3 |
| 25 | Cation-ordered Pb2-xBixMnO4 solid solutions with magnetic frustration. Journal of Solid State Chemistry, 2019, 269, 336-340. | 1.4 | 3 |
| 26 | 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:m mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, . | 0.9 | 3 |
| 27 | Studies of the 4d and 5d 6H perovskites Ba<sub>3</sub>BM<sub>2</sub>O<sub>9</sub>, B = Ti, Zn, Y; M = Ru, Os, and cubic BaB<sub>1/3</sub>Ru<sub>2/3</sub>O<sub>3</sub> polymorphs stabilised under high pressure. Dalton Transactions, 2020, 49, 12222-12233. | 1.6 | 2 |
| 28 | Double Double to Double Perovskite Transformations in Quaternary Manganese Oxides. Angewandte Chemie, 2021, 133, 22422-22426. | 1.6 | 2 |
| 29 | Spin structures and band gap reduction of high-pressure triple perovskite Mn<sub>3</sub>MnTa<sub>2</sub>O<sub>9</sub>. Journal of Materials Chemistry C, 2021, 9, 14916-14920. | 2.7 | 2 |
| 30 | Abrupt Negative Thermal Expansion and Magnetic Structure of V<sub>3</sub>O<sub>5</sub>. Chemistry of Materials, 2022, 34, 5294-5300. | 3.2 | 2 |
| 31 | A New Cationâ€Ordered Structure Type with Multiple Thermal Redistributions in Co2InSbO6. Angewandte Chemie, 0, , . | 1.6 | 0 |
| 32 | Complex magnetic structures in frustrated A-site manganites. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, C402-C402. | 0.0 | 0 |