

# Marco Zanella

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

762  
citations

623734

14  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1264  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Enhanced Long-Term Cathode Stability by Tuning Interfacial Nanocomposite for Intermediate Temperature Solid Oxide Fuel Cells. <i>Advanced Materials Interfaces</i> , 2022, 9, .  | 3.7  | 3         |
| 2  | Band Structure Engineering of $\text{Bi}_4\text{O}_4\text{SeCl}_2$ for Thermoelectric Applications. <i>ACS Organic &amp; Inorganic Au</i> , 2022, 2, 405-414.  | 4.0  | 7         |
| 3  | One Site, Two Cations, Three Environments: $s^{2+}$ and $s^{0+}$ Electronic Configurations Generate Pb-Free Relaxor Behavior in a Perovskite Oxide. <i>Journal of the American Chemical Society</i> , 2021, 143, 1386-1398.  | 13.7 | 9         |
| 4  | Highly Absorbing Lead-Free Semiconductor $\text{Cu}_2\text{AgBi}_6$ for Photovoltaic Applications from the Quaternary $\text{CuAgBi}_3$ Phase Space. <i>Journal of the American Chemical Society</i> , 2021, 143, 3983-3992. | 13.7 | 59        |
| 5  | Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16457-16465.   | 13.8 | 13        |
| 6  | Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. <i>Angewandte Chemie</i> , 2021, 133, 16593-16601.  | 2.0  | 0         |
| 7  | Low thermal conductivity in a modular inorganic material with bonding anisotropy and mismatch. <i>Science</i> , 2021, 373, 1017-1022.  | 12.6 | 76        |
| 8  | Element selection for crystalline inorganic solid discovery guided by unsupervised machine learning of experimentally explored chemistry. <i>Nature Communications</i> , 2021, 12, 5561.                                     | 12.8 | 32        |
| 9  | Extended Condensed Ultraphosphate Frameworks with Monovalent Ions Combine Lithium Mobility with High Computed Electrochemical Stability. <i>Journal of the American Chemical Society</i> , 2021, 143, 18216-18232.           | 13.7 | 7         |
| 10 | Chemical Control of the Dimensionality of the Octahedral Network of Solar Absorbers from the $\text{CuAgBi}_3$ Phase Space by Synthesis of 3D $\text{CuAgBi}_5$ . <i>Inorganic Chemistry</i> , 2021, 60, 18154-18167.        | 4.0  | 15        |
| 11 | $\text{Li}_{4.3}\text{AlS}_{3.3}\text{Cl}_{0.7}$ : A Sulfide-Chloride Lithium Ion Conductor with Highly Disordered Structure and Increased Conductivity. <i>Chemistry of Materials</i> , 2021, 33, 8733-8744.                | 6.7  | 8         |
| 12 | Modular Design via Multiple Anion Chemistry of the High Mobility van der Waals Semiconductor $\text{Bi}_4\text{O}_4\text{SeCl}_2$ . <i>Journal of the American Chemical Society</i> , 2020, 142, 847-856.                    | 13.7 | 29        |
| 13 | A $\text{CO}_2$ -Tolerant Perovskite Oxide with High Oxide Ion and Electronic Conductivity. <i>Advanced Materials</i> , 2020, 32, e1905200.  | 21.0 | 39        |
| 14 | $\text{Na}_2\text{Fe}_2\text{OS}_2$ , a new earth abundant oxysulphide cathode material for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20553-20569.  | 10.3 | 11        |
| 15 | Crystal Structure and Stoichiometric Composition of Potassium-Intercalated Tetracene. <i>Inorganic Chemistry</i> , 2020, 59, 12545-12551.  | 4.0  | 1         |
| 16 | Detection and Crystal Structure of Hydrogenated Bipentacene as an Intermediate in Thermally Induced Pentacene Oligomerization. <i>Journal of Organic Chemistry</i> , 2019, 84, 8481-8486.                                    | 3.2  | 2         |
| 17 | $\text{Bi}_{2+n}\text{O}_{2+n}\text{Cu}_2\text{Se}_{2+n}\text{X}_n$ (X = Cl, Br): A Three-Anion Homologous Series. <i>Inorganic Chemistry</i> , 2018, 57, 12489-12500.   | 4.0  | 15        |
| 18 | $\text{AgBi}_4$ as a Lead-Free Solar Absorber with Potential Application in Photovoltaics. <i>Chemistry of Materials</i> , 2017, 29, 1538-1549.  | 6.7  | 102       |

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|----|--|------|-----------|
| 19 | Self-assembled dynamic perovskite composite cathodes for intermediate temperature solid oxide fuel cells. <i>Nature Energy</i> , 2017, 2, .  | 39.5 | 95        |
| 20 | Selective conversion of 5-hydroxymethylfurfural to cyclopentanone derivatives over Cu <sub>2</sub> O and Co <sub>2</sub> O <sub>3</sub> catalysts in water. <i>Green Chemistry</i> , 2017, 19, 1701-1713.  | 9.0  | 72        |
| 21 | Room Temperature Magnetically Ordered Polar Corundum GaFeO <sub>3</sub> Displaying Magnetolectric Coupling. <i>Journal of the American Chemical Society</i> , 2017, 139, 1520-1531.  | 13.7 | 34        |
| 22 | Bi <sub>4</sub> O <sub>4</sub> Cu <sub>1.7</sub> Se <sub>2.7</sub> Cl <sub>0.3</sub> : Intergrowth of BiOCuSe and Bi <sub>2</sub> O <sub>2</sub> Se Stabilized by the Addition of a Third Anion. <i>Journal of the American Chemical Society</i> , 2017, 139, 15568-15571. | 13.7 | 17        |
| 23 | Catalytic Response and Stability of Nickel/Alumina for the Hydrogenation of 5-Hydroxymethylfurfural in Water. <i>ChemSusChem</i> , 2016, 9, 521-531.   | 6.8  | 72        |
| 24 | Controlling Phase Assemblage in a Complex Multication System: Phase-Pure Room Temperature Multiferroic (1-x)BiTi <sub>2</sub> (1-x)y)/2Fe <sub>1-x</sub> Mg <sub>x</sub> (1-x)y. <i>Advanced Functional Materials</i> , 2016, 26, 2523-2531.                               | 14.9 | 17        |
| 25 | La <sub>3</sub> Li <sub>3</sub> W <sub>2</sub> O <sub>12</sub> : Ionic Diffusion in a Perovskite with Lithium on both A- and B-Sites. <i>Chemistry of Materials</i> , 2016, 28, 7833-7851.   | 6.7  | 27        |