

Marco Zanella

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

762
citations

623734

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610901

24
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25
all docs

25
docs citations

25
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	AgBi ₄ as a Lead-Free Solar Absorber with Potential Application in Photovoltaics. Chemistry of Materials, 2017, 29, 1538-1549.	6.7	102
2	Self-assembled dynamic perovskite composite cathodes for intermediate temperature solid oxide fuel cells. Nature Energy, 2017, 2, .	39.5	95
3	Low thermal conductivity in a modular inorganic material with bonding anisotropy and mismatch. Science, 2021, 373, 1017-1022.	12.6	76
4	Catalytic Response and Stability of Nickel/Alumina for the Hydrogenation of 5-Hydroxymethylfurfural in Water. ChemSusChem, 2016, 9, 521-531.	6.8	72
5	Selective conversion of 5-hydroxymethylfurfural to cyclopentanone derivatives over CuAl ₂ O ₃ and CoAl ₂ O ₃ catalysts in water. Green Chemistry, 2017, 19, 1701-1713.	9.0	72
6	Highly Absorbing Lead-Free Semiconductor Cu ₂ AgBi ₆ for Photovoltaic Applications from the Quaternary CuAgBi ₃ Phase Space. Journal of the American Chemical Society, 2021, 143, 3983-3992.	13.7	59
7	A CO ₂ -Tolerant Perovskite Oxide with High Oxide Ion and Electronic Conductivity. Advanced Materials, 2020, 32, e1905200.	21.0	39
8	Room Temperature Magnetically Ordered Polar Corundum GaFeO ₃ Displaying Magnetoelectric Coupling. Journal of the American Chemical Society, 2017, 139, 1520-1531.	13.7	34
9	Element selection for crystalline inorganic solid discovery guided by unsupervised machine learning of experimentally explored chemistry. Nature Communications, 2021, 12, 5561.	12.8	32
10	Modular Design via Multiple Anion Chemistry of the High Mobility van der Waals Semiconductor Bi ₄ O ₄ SeCl ₂ . Journal of the American Chemical Society, 2020, 142, 847-856.	13.7	29
11	La ₃ Li ₃ W ₂ O ₁₂ : Ionic Diffusion in a Perovskite with Lithium on both A- and B-Sites. Chemistry of Materials, 2016, 28, 7833-7851.	6.7	27
12	Controlling Phase Assemblage in a Complex Multi-Cation System: Phase-Pure Room Temperature Multiferroic (1-x)BiTi(1-x)y)/2 Fe_yMg_(1-x)y</sub>. Advanced Functional Materials, 2016, 26, 2523-2531.	14.9	17
13	Bi ₄ O ₄ Cu _{1.7} Se _{2.7} Cl _{0.3} : Intergrowth of BiOCuSe and Bi ₂ O ₂ Se Stabilized by the Addition of a Third Anion. Journal of the American Chemical Society, 2017, 139, 15568-15571.	13.7	17
14	Bi _{2+2x} O _{2+2x} Cu _{2x} Se _{2+x} X _{1-x} (X = Cl, Br): A Three-Anion Homologous Series. Inorganic Chemistry, 2018, 57, 12489-12500.	4.0	15
15	Chemical Control of the Dimensionality of the Octahedral Network of Solar Absorbers from the CuAgBi ₃ Phase Space by Synthesis of 3D CuAgBi ₅ . Inorganic Chemistry, 2021, 60, 18154-18167.	4.0	15
16	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. Angewandte Chemie - International Edition, 2021, 60, 16457-16465.	13.8	13
17	Na ₂ Fe ₂ OS ₂ , a new earth abundant oxysulphide cathode material for Na-ion batteries. Journal of Materials Chemistry A, 2020, 8, 20553-20569.	10.3	11
18	One Site, Two Cations, Three Environments: s ² and s ⁰ Electronic Configurations Generate Pb-Free Relaxor Behavior in a Perovskite Oxide. Journal of the American Chemical Society, 2021, 143, 1386-1398.	13.7	9

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19	$\text{Li}_{4.3}\text{Al}_{3.3}\text{Cl}_{0.7}$: 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
20	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
21	Band Structure Engineering of $\text{Bi}_4\text{O}_4\text{SeCl}_2$ for Thermoelectric Applications. <i>ACS Organic & Inorganic Au</i> , 2022, 2, 405-414.	4.0	7
22	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
23	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
24	Crystal Structure and Stoichiometric Composition of Potassium-Intercalated Tetracene. <i>Inorganic Chemistry</i> , 2020, 59, 12545-12551.	4.0	1
25	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