

# Juan M Bermãºdez-Garcã-a

## List of Publications by Year in descending order

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31  
papers

1,093  
citations

471061

17  
h-index

476904

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dicyanamide-perovskites at the edge of dense hybrid organic–inorganic materials. <i>Coordination Chemistry Reviews</i> , 2022, 455, 214337.	9.5	10
2	Discovery of Colossal Breathing-Caloric Effect under Low Applied Pressure in the Hybrid Organic–Inorganic MIL-53(Al) Material. <i>Chemistry of Materials</i> , 2022, 34, 3323-3332.	3.2	13
3	@thermogramer: Thermal Imaging as a Tool for Science Communication and E-Learning in Social Media. <i>Sustainability</i> , 2022, 14, 3096.	1.6	0
4	Structural, Thermal and Functional Properties of a Hybrid Dicyanamide-Perovskite Solid Solution. <i>Crystals</i> , 2022, 12, 860.	1.0	0
5	$(\text{R}^+-\text{H}_2\text{O})_3\text{-Hydroxyquinuclidium}[\text{FeCl}_4]$ ; a plastic hybrid compound with chirality, ferroelectricity and long range magnetic ordering. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4453-4465.	2.7	16
6	Thermal Decomposition of $[\text{AH}][\text{M}(\text{HCOO})_3]$ Perovskite-Like Formates. <i>Solids</i> , 2021, 2, 165-176.	1.1	3
7	Melting of hybrid organic–inorganic perovskites. <i>Nature Chemistry</i> , 2021, 13, 778-785.	6.6	65
8	Simple and Low-Cost Footstep Energy-Recover Barocaloric Heating and Cooling Device. <i>Materials</i> , 2021, 14, 5947.	1.3	6
9	Near-room-temperature reversible giant barocaloric effects in $[(\text{CH}_3)_3\text{N}][\text{Mn}(\text{N}_3)_3]$ hybrid perovskite. <i>Materials Advances</i> , 2020, 1, 3167-3170.	2.6	27
10	Raman Spectroscopy Studies on the Barocaloric Hybrid Perovskite $[(\text{CH}_3)_4\text{N}][\text{Cd}(\text{N}_3)_3]$ . <i>Molecules</i> , 2020, 25, 4754.	1.7	5
11	Multifunctional properties and multi-energy storage in the $[(\text{CH}_3)_3\text{N}][\text{S}][\text{FeCl}_4]$ plastic crystal. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13686-13694.	2.7	15
12	Pressure-induced reversible framework rearrangement and increased polarization in the polar $[\text{NH}_4][\text{Cd}(\text{HCOO})_3]$ hybrid perovskite. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2379-2386.	3.0	9
13	Hybrid lead halide $[(\text{CH}_3)_3\text{N}][\text{NH}_2]_2\text{PbX}_3$ ( $\text{X} = \text{Tl, ETQq1}$ ) 0.784314 rgBT/Overlock 1000. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10008-10018.	2.7	35
14	Effect of Environmental Humidity on the Electrical Properties of Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2011-2018.	1.5	20
15	$[(\text{CH}_3)_3\text{N}][\text{NH}_2]_7\text{Pb}_4\text{X}_{15}$ ( $\text{X} = \text{Tl, ETQq1}$ ) 0.784314 rgBT/Overlock 1000. Broadband Photoluminescent Emission. <i>Inorganic Chemistry</i> , 2018, 57, 3215-3222.	1.9	31
16	Motional Narrowing of Electron Spin Resonance Absorption in the Plastic-Crystal Phase of $[(\text{CH}_3)_3\text{N}][\text{FeCl}_4]$ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 27769-27774.	1.5	18
17	Giant barocaloric tunability in $[(\text{CH}_3)_3\text{N}][\text{CH}_2\text{CH}_2]_4\text{N}][\text{Cd}[\text{N}(\text{CN})_2]_3]$ hybrid perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9867-9874.	2.7	50
18	Benchmarking Chemical Stability of Arbitrarily Mixed 3D Hybrid Halide Perovskites for Solar Cell Applications. <i>Small Methods</i> , 2018, 2, 1800242.	4.6	26

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19	Diimidazolium Halobismuthates [Dim] <sub>2</sub> [Bi <sub>2</sub> X <sub>10</sub> ] (X =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Photoluminescent Materials. Inorganic Chemistry, 2018, 57, 7655-7664.	1.9	56
20	A simple in situ synthesis of magnetic M@CNTs by thermolysis of the hybrid perovskite [TPrA][M(dca) <sub>3</sub> ]. New Journal of Chemistry, 2017, 41, 3124-3133.	1.4	10
21	Giant barocaloric effect in the ferroic organic-inorganic hybrid [TPrA][Mn(dca) <sub>3</sub> ] perovskite under easily accessible pressures. Nature Communications, 2017, 8, 15715.	5.8	158
22	A New Playground for Organic-Inorganic Hybrids: Barocaloric Materials for Pressure-Induced Solid-State Cooling. Journal of Physical Chemistry Letters, 2017, 8, 4419-4423.	2.1	69
23	Coexistence of Three Ferroic Orders in the Multiferroic Compound [(CH <sub>3</sub> ) <sub>4</sub> N][Mn(N <sub>3</sub> ) <sub>3</sub> ] with Perovskite-Like Structure. Chemistry - A European Journal, 2016, 22, 7863-7870.	1.7	54
24	A Facile Synthesis of Co <sub>3</sub> O <sub>4</sub> Hollow Microtubes by Decomposition of a Cobalt Metal-Organic Framework. European Journal of Inorganic Chemistry, 2016, 2016, 4463-4469.	1.0	6
25	Multiple phase and dielectric transitions on a novel multi-sensitive [TPrA][M(dca) <sub>3</sub> ] (M:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Journal of Materials Chemistry C, 2016, 4, 4889-4898.	2.7	57
26	Liquid self-diffusion of H <sub>2</sub> O and DMF molecules in Co-MOF-74: molecular dynamics simulations and dielectric spectroscopy studies. Physical Chemistry Chemical Physics, 2016, 18, 19605-19612.	1.3	21
27	Magnetic Ordering-Induced Multiferroic Behavior in [CH <sub>3</sub> NH <sub>3</sub> ][Co(HCOO) <sub>3</sub> ] Metal-Organic Framework. Journal of the American Chemical Society, 2016, 138, 1122-1125.	6.6	170
28	Dielectric properties induced by the framework in the hybrid organic-inorganic compounds M(dca) <sub>2</sub> pyz M = Fe, Co and Zn. Polyhedron, 2016, 114, 249-255.	1.0	9
29	New properties in old systems: cooperative electric order in ferrocene and ammonia-borane. RSC Advances, 2015, 5, 83818-83824.	1.7	5
30	Role of Temperature and Pressure on the Multisensitive Multiferroic Dicyanamide Framework [TPrA][Mn(dca) <sub>3</sub> ] with Perovskite-like Structure. Inorganic Chemistry, 2015, 54, 11680-11687.	1.9	70
31	Coexistence of magnetic and electrical order in the new perovskite-like (C <sub>3</sub> N <sub>2</sub> H <sub>5</sub> )[Mn(HCOO) <sub>3</sub> ] formate. RSC Advances, 2013, 3, 22404.	1.7	59