

# 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	Magnetic Ordering-Induced Multiferroic Behavior in $[\text{CH}_3\text{NH}_3][\text{Co}(\text{HCOO})_3]$ Metal-Organic Framework. Journal of the American Chemical Society, 2016, 138, 1122-1125.	6.6	170
2	Giant barocaloric effect in the ferroic organic-inorganic hybrid $[\text{TPrA}][\text{Mn}(\text{dca})_3]$ perovskite under easily accessible pressures. Nature Communications, 2017, 8, 15715.	5.8	158
3	Role of Temperature and Pressure on the Multisensitive Multiferroic Dicyanamide Framework $[\text{TPrA}][\text{Mn}(\text{dca})_3]$ with Perovskite-like Structure. Inorganic Chemistry, 2015, 54, 11680-11687.	1.9	70
4	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
5	Melting of hybrid organic-inorganic perovskites. Nature Chemistry, 2021, 13, 778-785.	6.6	65
6	Coexistence of magnetic and electrical order in the new perovskite-like $(\text{C}_3\text{N}_2\text{H}_5)[\text{Mn}(\text{HCOO})_3]$ formate. RSC Advances, 2013, 3, 22404.	1.7	59
7	Multiple phase and dielectric transitions on a novel multi-sensitive $[\text{TPrA}][\text{M}(\text{dca})_3]$ (M: Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 467) Journal of Materials Chemistry C, 2016, 4, 4889-4898.	2.7	57
8	Diimidazolium Halobismuthates $[\text{Dim}]_2[\text{Bi}_2\text{X}_{10}]$ (X =) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 467 Photoluminescent Materials. Inorganic Chemistry, 2018, 57, 7655-7664.	1.9	56
9	Coexistence of Three Ferroic Orders in the Multiferroic Compound $[(\text{CH}_3)_2\text{N}][\text{Mn}(\text{N}_3)_3]$ with Perovskite-Like Structure. Chemistry - A European Journal, 2016, 22, 7863-7870.	1.7	54
10	Giant barocaloric tunability in $[(\text{CH}_3)_2\text{N}][\text{Cd}(\text{N}_3)_3]$ hybrid perovskite. Journal of Materials Chemistry C, 2018, 6, 9867-9874.	2.7	50
11	Hybrid lead halide $[(\text{CH}_3)_2\text{N}][\text{PbX}_3]$ (X =) Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 467 Journal of Materials Chemistry C, 2019, 7, 10008-10018.	2.7	35
12	$[(\text{CH}_3)_2\text{N}][\text{Pb}_4\text{X}_{15}]$ (X =) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 467 Broadband Photoluminescent Emission. Inorganic Chemistry, 2018, 57, 3215-3222.	1.9	31
13	Near-room-temperature reversible giant barocaloric effects in $[(\text{CH}_3)_2\text{N}][\text{Mn}(\text{N}_3)_3]$ hybrid perovskite. Materials Advances, 2020, 1, 3167-3170.	2.6	27
14	Benchmarking Chemical Stability of Arbitrarily Mixed 3D Hybrid Halide Perovskites for Solar Cell Applications. Small Methods, 2018, 2, 1800242.	4.6	26
15	Liquid self-diffusion of $\text{H}_2\text{O}$ 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
16	Effect of Environmental Humidity on the Electrical Properties of Lead Halide Perovskites. Journal of Physical Chemistry C, 2019, 123, 2011-2018.	1.5	20
17	Motional Narrowing of Electron Spin Resonance Absorption in the Plastic-Crystal Phase of $[(\text{CH}_3)_2\text{N}][\text{FeCl}_4]$ . Journal of Physical Chemistry C, 2018, 122, 27769-27774.	1.5	18
18	$(R)-3$ -Hydroxyquinuclidium $[\text{FeCl}_4]$ ; a plastic hybrid compound with chirality, ferroelectricity and long range magnetic ordering. Journal of Materials Chemistry C, 2021, 9, 4453-4465.	2.7	16

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19	Multifunctional properties and multi-energy storage in the $[(\text{CH}_3)_3\text{S}][\text{FeCl}_4]$ plastic crystal. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13686-13694.	2.7	15
20	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
21	A simple in situ synthesis of magnetic M@CNTs by thermolysis of the hybrid perovskite $[\text{TPrA}][\text{M}(\text{dca})_3]$ . <i>New Journal of Chemistry</i> , 2017, 41, 3124-3133.	1.4	10
22	Dicyanamide-perovskites at the edge of dense hybrid organic-inorganic materials. <i>Coordination Chemistry Reviews</i> , 2022, 455, 214337.	9.5	10
23	Dielectric properties induced by the framework in the hybrid organic-inorganic compounds $\text{M}(\text{dca})_2\text{pyz}$ M = Fe, Co and Zn. <i>Polyhedron</i> , 2016, 114, 249-255.	1.0	9
24	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
25	A Facile Synthesis of $\text{Co}_3\text{O}_4$ Hollow Microtubes by Decomposition of a Cobalt Metal-Organic Framework. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4463-4469.	1.0	6
26	Simple and Low-Cost Footstep Energy-Recover Barocaloric Heating and Cooling Device. <i>Materials</i> , 2021, 14, 5947.	1.3	6
27	New properties in old systems: cooperative electric order in ferrocene and ammonia-borane. <i>RSC Advances</i> , 2015, 5, 83818-83824.	1.7	5
28	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
29	Thermal Decomposition of $[\text{AH}][\text{M}(\text{HCOO})_3]$ Perovskite-Like Formates. <i>Solids</i> , 2021, 2, 165-176.	1.1	3
30	@thermogramer: Thermal Imaging as a Tool for Science Communication and E-Learning in Social Media. <i>Sustainability</i> , 2022, 14, 3096.	1.6	0
31	Structural, Thermal and Functional Properties of a Hybrid Dicyanamide-Perovskite Solid Solution. <i>Crystals</i> , 2022, 12, 860.	1.0	0