

# Adolfo del Campo

## List of Publications by Year in descending order

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71  
papers

2,368  
citations

236925

25  
h-index

223800

46  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Two-Magnon Raman Hysteresis Observed in a Magnetically Uncompensated Hematite Coating across the Morin Transition. <i>Coatings</i> , 2022, 12, 540.	2.6	4
2	Photocontrolled Strain in Polycrystalline Ferroelectrics via Domain Engineering Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20858-20864.	8.0	15
3	Ultrasensitive NO <sub>2</sub> gas sensor with insignificant NH <sub>3</sub> -interference based on a few-layered mesoporous graphene. <i>Sensors and Actuators B: Chemical</i> , 2021, 335, 129657.	7.8	27
4	Wear behavior in pastes of alkali-activated materials: Influence of precursor and alkali solution. <i>Tribology International</i> , 2020, 147, 106293.	5.9	13
5	Preparation and Characterization of Large Area Li-NASICON Electrolyte Thick Films. <i>Inorganics</i> , 2019, 7, 107.	2.7	6
6	Preparation of nanostructured TiO <sub>2</sub> films with high catalytic activity and their 3D spatial distribution of anatase and rutile phases. <i>Journal of Materials Science</i> , 2019, 54, 9414-9425.	3.7	6
7	Photo-Controlled Ferroelectric-Based Nanoactuators. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13921-13926.	8.0	23
8	2D compositional self-patterning in magnetron sputtered thin films. <i>Applied Surface Science</i> , 2019, 480, 115-121.	6.1	3
9	The fight against multidrug-resistant organisms: The role of ZnO crystalline defects. <i>Materials Science and Engineering C</i> , 2019, 99, 575-581.	7.3	17
10	Structural insights of hierarchically engineered feldspars by confocal Raman microscopy. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 741-754.	2.5	8
11	In situ full view of the Portland cement hydration by confocal Raman microscopy. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 720-730.	2.5	28
12	Study of the Interface of the Early Stages of Growth under Quasi-Equilibrium Conditions of ZnO on Graphene/Cu and Graphite. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801689.	3.7	6
13	Investigation of thermal stability of 2D and 3D CoAl <sub>2</sub> O <sub>4</sub> particles in core-shell nanostructures by Raman spectroscopy. <i>Journal of Alloys and Compounds</i> , 2019, 779, 244-254.	5.5	41
14	Poling and depoling influence on the micro-stress states and phase coexistence in KNN-based piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1011-1019.	5.7	15
15	Confocal Raman Microscopy Can Make a Large Difference: Resolving and Manipulating Ferroelectric Domains for Piezoelectric Engineering. <i>Springer Series in Surface Sciences</i> , 2018, , 531-556.	0.3	3
16	Fabrication of biocompatible and efficient antimicrobial porous polymer surfaces by the Breath Figures approach. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 820-830.	9.4	17
17	Reversible optical control of macroscopic polarization in ferroelectrics. <i>Nature Photonics</i> , 2018, 12, 29-32.	31.4	97
18	Electric field effect on the microstructure and properties of Ba <sub>0.9</sub> Ca <sub>0.1</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> (BCTZ) lead-free ceramics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5419-5429.	10.3	24

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19	Exploring new methodologies for the identification of the morphotropic phase boundary region in the (BiNa)TiO <sub>3</sub> -BaTiO <sub>3</sub> lead free piezoceramics: Confocal Raman Microscopy. Journal of Alloys and Compounds, 2018, 739, 799-805.	5.5	22
20	Fabrication of 3D printed objects with controlled surface chemistry and topography. European Polymer Journal, 2018, 98, 21-27.	5.4	13
21	Experimental evidence of charged domain walls in lead-free ferroelectric ceramics: light-driven nanodomain switching. Nanoscale, 2018, 10, 705-715.	5.6	29
22	Improved conductivity in tape casted Li-NASICON supported thick films: Effect of temperature treatments and lamination. Journal of the European Ceramic Society, 2018, 38, 1679-1687.	5.7	18
23	Ag-AgO nanostructures on glass substrates by solid-state dewetting: From extended to localized surface plasmons. Journal of Applied Physics, 2018, 124, .	2.5	16
24	Light-Induced Capacitance Tunability in Ferroelectric Crystals. ACS Applied Materials & Interfaces, 2018, 10, 21804-21807.	8.0	28
25	Immobilization of Polyoxometalates on Tailored Polymeric Surfaces. Nanomaterials, 2018, 8, 142.	4.1	6
26	Honeycomb Films with Core-Shell Dispersed Phases Prepared by the Combination of Breath Figures and Phase Separation Process of Ternary Blends. Langmuir, 2017, 33, 2872-2877.	3.5	4
27	Thermoelectric Skutterudite/oxide nanocomposites: Effective decoupling of electrical and thermal conductivity by functional interfaces. Nano Energy, 2017, 31, 393-402.	16.0	34
28	Wrinkling and Folding on Patched Elastic Surfaces: Modulation of the Chemistry and Pattern Size of Microwrinkled Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 20188-20195.	8.0	14
29	Switchable and pH responsive porous surfaces based on polypeptide-based block copolymers. Materials and Design, 2017, 131, 121-126.	7.0	16
30	Thermal Route for the Synthesis of Maghemite/Hematite Core/Shell Nanowires. Journal of Physical Chemistry C, 2017, 121, 23158-23165.	3.1	17
31	Epsilon iron oxide: Origin of the high coercivity stable low Curie temperature magnetic phase found in heated archeological materials. Geochemistry, Geophysics, Geosystems, 2017, 18, 2646-2656.	2.5	43
32	Highly Efficient Antibacterial Surfaces Based on Bacterial/Cell Size Selective Microporous Supports. ACS Applied Materials & Interfaces, 2017, 9, 44270-44280.	8.0	29
33	New insights in weathering analysis of anhydrous cements by using high spectral and spatial resolution Confocal Raman Microscopy. Cement and Concrete Research, 2017, 100, 119-128.	11.0	39
34	2D particles forming a nanostructured shell: A step forward cool NIR reflectivity for CoAl <sub>2</sub> O <sub>4</sub> pigments. Dyes and Pigments, 2017, 137, 1-11.	3.7	62
35	Confocal Raman Microscopy: new perspective on the weathering of anhydrous cement. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012035.	0.6	1
36	Origin of the magnetic transition at 100 K in Fe <sub>2</sub> O <sub>3</sub> nanoparticles studied by x-ray absorption fine structure spectroscopy. Journal of Physics Condensed Matter, 2017, 29, 485701.	1.8	13

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37	Symmetry constraints during the development of anisotropic spinodal patterns. <i>Scientific Reports</i> , 2016, 6, 20806.	3.3	12
38	Synthesis and structural characterization of Zn <sub>x</sub> Fe <sub>3x</sub> O <sub>4</sub> ferrite nanoparticles obtained by an electrochemical method. <i>RSC Advances</i> , 2016, 6, 40067-40076.	3.6	62
39	Modification of poly(dimethylsiloxane) as a basis for surface wrinkle formation: Chemical and mechanical characterization. <i>Polymer</i> , 2016, 98, 327-335.	3.8	20
40	Lithium La <sub>0.57</sub> Li <sub>0.33</sub> TiO <sub>3</sub> Perovskite and Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> Li-NASICON Supported Thick Films Electrolytes Prepared by Tape Casting Method. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1653-A1659.	2.9	30
41	Enhancement of UV absorption behavior in ZnO-TiO <sub>2</sub> composites. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2016, 55, 55-62.	1.9	84
42	Sol-Gel Synthesis and Micro-Raman Characterization of $\mu$ -Fe <sub>2</sub> O <sub>3</sub> Micro- and Nanoparticles. <i>Chemistry of Materials</i> , 2016, 28, 511-518.	6.7	115
43	Fabrication of hierarchical wrinkled morphologies through sequential UVO treatments. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
44	Stabilization of cubic phase in dense Eu <sub>2</sub> O <sub>3</sub> ceramics. <i>Materials Letters</i> , 2015, 157, 77-80.	2.6	12
45	Influence of surface modifiers on hydrothermal synthesis of K <sub>x</sub> Na(1-x)NbO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9402-9408.	2.2	6
46	Nanopatterning on highly oriented pyrolytic graphite surfaces promoted by cobalt oxides. <i>Carbon</i> , 2015, 85, 89-98.	10.3	8
47	Indirect measurement of stress distribution in quartz particles embedded in a glass matrix by using confocal Raman microscopy. <i>Ceramics International</i> , 2015, 41, 13598-13606.	4.8	23
48	Tribochemical Decomposition of Light Ionic Hydrides at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2780-2785.	4.6	14
49	Poly(Ethylene Oxide) Functionalized Polyimide-Based Microporous Films to Prevent Bacterial Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9716-9724.	8.0	21
50	Ferroelectric domain wall motion induced by polarized light. <i>Nature Communications</i> , 2015, 6, 6594.	12.8	138
51	Revealing the role of cationic displacement in potassium-sodium niobate lead-free piezoceramics by adding W <sup>6+</sup> ions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4168-4178.	5.5	36
52	Lead-Free Piezoceramics: Revealing the Role of the Rhombohedral-Tetragonal Phase Coexistence in Enhancement of the Piezoelectric Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23080-23088.	8.0	122
53	A simple aqueous electrochemical method to synthesize TiO <sub>2</sub> nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29319-29326.	2.8	18
54	Sintering behaviour and translucency of dense Eu <sub>2</sub> O <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1803-1808.	5.7	19

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55	Influence of B-site compositional homogeneity on properties of (K <sub>0.44</sub> Na <sub>0.52</sub> Li <sub>0.04</sub> )(Nb <sub>0.86</sub> Ta <sub>0.10</sub> Sb <sub>0.04</sub> )O <sub>3</sub> -based piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2249-2257.	5.7	16
56	Versatile Approach for the Fabrication of Functional Wrinkled Polymer Surfaces. <i>Langmuir</i> , 2014, 30, 13244-13254.	3.5	10
57	Tuning the Pore Composition by Two Simultaneous Interfacial Self-Assembly Processes: Breath Figures and Coffee Stain. <i>Langmuir</i> , 2014, 30, 6134-6141.	3.5	13
58	Formation of Multigradient Porous Surfaces for Selective Bacterial Entrapment. <i>Biomacromolecules</i> , 2014, 15, 3338-3348.	5.4	19
59	Characterization of Carbon Nanoparticles in Thin-Film Nanocomposites by Confocal Raman Microscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10488-10494.	3.1	16
60	High Strain in (K,Na)NbO <sub>3</sub> -Based Lead-Free Piezoelectric Fibers. <i>Chemistry of Materials</i> , 2014, 26, 3838-3848.	6.7	79
61	Inorganic hydrophobic coatings: Surfaces mimicking the nature. <i>Ceramics International</i> , 2013, 39, 2489-2495.	4.8	23
62	Fabrication of Structured Porous Films by Breath Figures and Phase Separation Processes: Tuning the Chemistry and Morphology Inside the Pores Using Click Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3943-3951.	8.0	37
63	Quantum Speed Limits in Open System Dynamics. <i>Physical Review Letters</i> , 2013, 110, 050403.	7.8	356
64	Resolution of the ferroelectric domains structure in (K,Na)NbO <sub>3</sub> -based lead-free ceramics by confocal Raman microscopy. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	25
65	Chemical Analysis with High Spatial Resolution by Rutherford Backscattering and Raman Confocal Spectroscopies: Surface Hierarchically Structured Glasses. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1783-1788.	3.8	13
66	High spatial resolution structure of (K,Na)NbO <sub>3</sub> lead-free ferroelectric domains. <i>Journal of Materials Chemistry</i> , 2012, 22, 9714.	6.7	97
67	Ordered arrays of polymeric nanopores by using inverse nanostructured PTFE surfaces. <i>Nanotechnology</i> , 2012, 23, 385305.	2.6	10
68	Hierarchically Structured Multifunctional Porous Interfaces through Water Templated Self-Assembly of Ternary Systems. <i>Langmuir</i> , 2012, 28, 9778-9787.	3.5	44
69	Isolated Nanoparticle Raman Spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 889-894.	2.5	22
70	Dielectric behaviour of Hf-doped CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics obtained by conventional synthesis and reactive sintering. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1691-1699.	5.7	46
71	Block Copolymer Surfactants in Emulsion Polymerization: Influence of the Miscibility of the Hydrophobic Block on Kinetics, Particle Morphology, and Film Formation. <i>Macromolecules</i> , 2011, 44, 4282-4290.	4.8	35