

# Maria J Dianez

## List of Publications by Year in descending order

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74  
papers

1,116  
citations

567144

15  
h-index

414303

32  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactivity of anatase-rutile TiO <sub>2</sub> nanocrystalline mixtures obtained by heat treatment of homogeneously precipitated anatase. <i>Applied Catalysis B: Environmental</i> , 2005, 58, 193-202.	10.8	330
2	Kinetic model for thermal dehydrochlorination of poly(vinyl chloride). <i>Polymer</i> , 2010, 51, 3998-4007.	1.8	159
3	Direct mechanosynthesis of pure BiFeO <sub>3</sub> perovskite nanoparticles: reaction mechanism. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3551.	2.7	49
4	Synthesis of needle-like BaTiO <sub>3</sub> particles from the thermal decomposition of a citrate precursor under sample controlled reaction temperature conditions. <i>Journal of Materials Chemistry</i> , 2003, 13, 2234-2241.	6.7	33
5	Relationships between the Texture and Structure of BaTiO <sub>3</sub> and Its Tetragonal to Cubic Transition Enthalpy. <i>Journal of Solid State Chemistry</i> , 1996, 123, 301-305.	1.4	30
6	1,1,3,3-Tetramethylguanidinium dihydrogenorthophosphate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 888-889.	0.4	30
7	Development of a universal constant rate thermal analysis system for being used with any thermoanalytical instrument. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 297-300.	2.0	30
8	Microcalorimetric study of the annealing hardening mechanism of a Cu-2.8Ni-1.4Si (at%) alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 556, 612-616.	2.6	30
9	Mechanochemical preparation of BaTiO <sub>3</sub> -Ni nanocomposites with high dielectric constant. <i>Composite Structures</i> , 2010, 92, 2236-2240.	3.1	26
10	A novel highly diastereoselective synthesis of chiral dihydrothiophenes from mesoionic compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2213-2214.	2.0	19
11	Crystalline structure and thermal stability of double strontium and barium carbonates. <i>Thermochimica Acta</i> , 1990, 171, 229-238.	1.2	18
12	Correlation between synthesis conditions, coherently diffracting domain size and cubic phase stabilization in barium titanate. <i>Ferroelectrics, Letters Section</i> , 1992, 14, 79-84.	0.4	18
13	A new synthesis of 6-oxopyrimidinium-4-olates. Theoretical study of the regioselective cycloaddition of arylisocyanates with a 1,3-thiazolium-4-olate system. <i>Tetrahedron</i> , 1992, 48, 4193-4208.	1.0	18
14	Direct use of the mass output of a thermobalance for controlling the reaction rate of solid-state reactions. <i>Review of Scientific Instruments</i> , 2004, 75, 2620-2624.	0.6	17
15	High-temperature deformation of dispersion-strengthened Cu-Zr-Ti-C alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 391, 60-65.	2.6	17
16	Synthesis and crystal structure of methyl 2-amino-2,6-dideoxy- $\beta$ -D-glucopyranoside-6-sulfonic acid. <i>Carbohydrate Research</i> , 1993, 248, 1-14.	1.1	16
17	Regio- and stereoselective synthesis of 3- and 5-(C-glycosyl)-4-nitroisoxazolidines by nitroalkene [3+2] cycloaddition reactions. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 77-98.	1.8	16
18	Influence of the mechanical treatment on the structure and the thermal stability of alkaline-earth carbonates. <i>Journal of Materials Science</i> , 2004, 39, 5189-5193.	1.7	15

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19	A short and highly stereoselective route to polyhydroxy-perhydroazaazulenes via a C-(d-galacto-pentopyranos-5-yl)isoxazolidine. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3897-3907.	1.8	14
20	Studies on sugar nitro-olefins. Part 7. Synthesis of 3-(alditol-1-yl)-1,2,3,5,6,7-hexahydro- and -1,5,6,7-tetrahydro-indol-4-ones. X-Ray molecular structure of (3S)-3-(1,2,3,4,5-penta-O-acetyl-D-galacto-pentitol-1-yl)-1,2,3,5,6,7-hexahydroindol-4-one. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987, , 581-588.	0.9	13

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37	Mechanochemical Synthesis of Visible Light Sensitive Titanium Dioxide Photocatalyst. International Journal of Photoenergy, 2011, 2011, 1-9.	1.4	7
38	Non isothermal calorimetric study of the precipitation processes in a Cu-10% Ni-3% Al alloy. Revista De Metalurgia, 2007, 43, .	0.1	7
39	Nonisothermal calorimetric study of the precipitation processes in a Cu-10%Ni-3%Al alloy. Journal of Thermal Analysis and Calorimetry, 2010, 100, 975-980.	2.0	6
40	Spectroscopic and X-ray crystallographic studies of the potassium salt of hexameric malondialdehyde. Tetrahedron Letters, 1992, 33, 1361-1364.	0.7	4
41	Mechanochemical Processing of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> with Giant Dielectric Properties. Materials and Manufacturing Processes, 2014, 29, 1179-1183.	2.7	4
42	High-temperature mechanical behaviour of Cu-Ti-C, Cu-Al and Cu-Ti-Al-C alloys obtained by reaction milling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 384, 262-269.	2.6	4
43	A lattice-dynamical calculation of crystallographic thermal parameters for N,N-dimethyl-2-nitrovinylamine. Acta Crystallographica Section B: Structural Science, 1986, 42, 610-613.	1.8	3
44	Structure of 4-(D-galacto-pentaacetoxypentyl)-1-phenylpyrazole. Acta Crystallographica Section C: Crystal Structure Communications, 1990, 46, 1718-1720.	0.4	3
45	Influence of grinding on the texture, microstructure and chemical reactivity of nickel powders. Journal of Materials Science, 1991, 26, 821-823.	1.7	3
46	X-ray powder diffraction study of the thermal behavior of barium titanium citrate hydrate. Powder Diffraction, 1997, 12, 180-184.	0.4	3
47	Evaluaciones microcalorimétricas no-isotermas en aleaciones de Cu-9Ni-5,5Sn templadas y deformadas en frío. Revista De Metalurgia, 2012, 48, 67-75.	0.1	3
48	The structure of ethyl 5,6,7,8,9-pentaacetoxy-2-amino-4-nitromethyl-D-glycero-D-manno-2-nonene-3-carboxylate, C <sub>23</sub> H <sub>34</sub> N <sub>2</sub> O <sub>14</sub> . Acta Crystallographica Section C: Crystal Structure Communications, 1984, 40, 1941-1944.	0.4	2
49	Structure of 2-[(2,2-diacetylvinyl)amino]-2-deoxy-β-D-glucopyranose, C <sub>12</sub> H <sub>19</sub> N <sub>7</sub> O <sub>7</sub> . Acta Crystallographica Section C: Crystal Structure Communications, 1985, 41, 149-151.	0.4	2
50	Structure of 2,2-dimethyl-5-methylaminomethylene-1,3-dioxane-4,6-dione. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 1028-1030.	0.4	2
51	Silica gel-catalysed addition of methyl nitroacetate to 1,2:3,4-di-O-isopropylidene-β-D-galacto-hexodialdo-1,5-pyranose and 2,3-O-isopropylidene-D-glyceraldehyde. Crystal structure of methyl 7-acetamido-7-deoxy-1,2:3,4-di-O-isopropylidene-β-D-galacto-octopyranuronate. Carbohydrate Research, 1995, 279, C9.	1.1	2
52	Structure of (E)-6,7,8,9-tetra-deoxy-1,2:3,4-di-O-isopropylidene-7-nitro-β-D-galacto-non-6-eno-1,5-pyranose. Zeitschrift Fur Kristallographie - Crystalline Materials, 1998, 213, 115-117.	0.4	2
53	Structure of N,N-dimethyl-2-nitrovinylamine, C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> . Acta Crystallographica Section C: Crystal Structure Communications, 1985, 41, 981-983.	0.4	1
54	Structure of 3,4,5-tri-O-acetyl-1-deoxy-1-[(2,2-dimethoxycarbonylvinyl)amino]-β-D-fructopyranose. Acta Crystallographica Section C: Crystal Structure Communications, 1987, 43, 558-560.	0.4	1

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55	Structure of allyl 1-deoxy-1-[(1-methyl-2-benzoylviny)amino]- $\beta$ -D-fructofuranoside. Acta Crystallographica Section C: Crystal Structure Communications, 1988, 44, 657-660.	0.4	1
56	Diethyl 6(R)-3-(4-chlorophenyl)-6-(tetra-O-acetyl-D-arabino-threitol-1-yl)-1,2,3,6-tetrahydro-1,2,3,4-tetrazine-1,2-dicarboxylate, C <sub>26</sub> H <sub>33</sub> ClN <sub>4</sub> O <sub>12</sub> . Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 1972-1974.	0.4	1
57	Structure of 1-carbamoyl-3-phenyl-(1,2-dideoxy- $\beta$ -D-glucofuranosyl) [1,2-d]imidazolidin-2-one. Zeitschrift Fur Kristallographie - Crystalline Materials, 1994, 209, 506-508.	0.4	1
58	Development of an experimental tool for measuring electrical properties of materials from liquid nitrogen temperature up to 1000Å°C. Thermochimica Acta, 2000, 351, 125-130.	1.2	1
59	(1E,3E)-4-(Tetra-O-acetyl-D-arabino-tetritol-1-yl)-1-(4-tolyl)-1,2-diaza-1,3-butadiene. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2811-o2812.	0.2	1
60	Non-isothermal Characterization of the Precipitation Hardening of a Cu-11Ni-19Zn-1Sn Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3090-3095.	1.1	1
61	Structure of a benzofuranone oxime. Acta Crystallographica Section C: Crystal Structure Communications, 1986, 42, 241-244.	0.4	0
62	Structure of a galacto-benzofuranone oxime. Acta Crystallographica Section C: Crystal Structure Communications, 1987, 43, 1158-1160.	0.4	0
63	Structure of 5,5-dimethyl-2-(4-nitrophenylaminomethylene)-1,3-cyclohexanedione. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 2586-2588.	0.4	0
64	Crystal and molecular structure of N-(2,2-diethoxycarbonylviny)- $\beta$ -D-ribofuranosylamine. Carbohydrate Research, 1991, 219, 223-227.	1.1	0
65	3-[(2R,3R)-3-(4-Dimethylaminophenyl)-2-phenyl-2,3-epithiopropionyl]-1-phenyl-(3,5,6-tri-O-acetyl-1,2-dideoxy- $\beta$ -D-glucofuranosyl) [1,2-d]imidazolidin-2-one. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 442-444.	0.4	0
66	N-Phenyl-2-phenyliminotetrahydro-1,3-thiazole-2-carbothioamide, C <sub>16</sub> H <sub>15</sub> N <sub>3</sub> S <sub>2</sub> . Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 1640-1642.	0.4	0
67	Study of a diastereoisomeric dihydrothiophene derivative at 150K. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 1020-1023.	0.4	0
68	N1,N1-Diethyl-N2-(2,3,4,6-tetra-O-acetyl- $\beta$ -D-glucopyranosyl)acetamidine. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1297-1298.	0.4	0
69	(4R,5R)-2-(N-Methyl-benzylamino)-3-nitro-4-(1,2,3,4,5-penta-O-acetyl-D-manno-pentitol-1-yl)-5-phenyl-5-phenylcarbamoyl-1,2,3,4-tetrahydro-1,2,3,4-tetrazine-1,2-dicarboxylate at 150Å°C. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o1255-o1257.	0.2	0
70	Benzyltrimethylammonium dihydrogen orthophosphate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1127-o1129.	0.2	0
71	Caracterizaci3n microestructural de aleaciones base cobre obtenidas mediante molienda reactiva. Revista De Metalurgia, 2010, 46, 197-205.	0.1	0
72	The X-ray analysis of an enaminone with a bulky substituent. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C270-C270.	0.3	0

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73	Influencia de la deformación previa sobre el endurecimiento por precipitación en una aleación de Cu-Ni-Si. Revista De Metalurgia, 2019, 55, 157.	0.1	0
74	Structure of 2-((2,2-diacetylvinyl)amino)-2-deoxy-β-D-glucopyranose, C <sub>12</sub> H <sub>19</sub> NO <sub>7</sub> . Acta Crystallographica Section A: Foundations and Advances, 1984, 40, C88-C88.	0.3	0