

America Vazquez-Olmos

List of Publications by Year in descending order

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20
papers

802
citations

567281

15
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step synthesis of Mn ₃ O ₄ nanoparticles: Structural and magnetic study. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 175-180.	9.4	157
2	Silver nanoparticles synthesized by direct photoreduction of metal salts. Application in surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 376-380.	2.5	96
3	Synthesis of ZnO Nanoparticles on a Clay Mineral Surface in Dimethyl Sulfoxide Medium. <i>Langmuir</i> , 2004, 20, 2855-2860.	3.5	89
4	Micro-Raman investigation of transition-metal-doped ZnO nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 1073-1076.	2.5	74
5	Contact angle studies on anodic porous alumina. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 664-670.	9.4	61
6	Versatile behavior of 2-guanidinobenzimidazole nitrogen atoms toward protonation, coordination and methylation. <i>Heteroatom Chemistry</i> , 1997, 8, 397-410.	0.7	37
7	Mechanosynthesis of MFe ₂ O ₄ (M = Co, Ni, and Zn) Magnetic Nanoparticles for Pb Removal from Aqueous Solution. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-9.	2.7	37
8	Magnonic sensor array based on magnetic nanoparticles to detect, discriminate and classify toxic gases. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 497-502.	7.8	37
9	Instantaneous Synthesis of Stable Zerovalent Metal Nanoparticles under Standard Reaction Conditions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14427-14434.	2.6	34
10	Diluted magnetic semiconductors based on Mn-doped In ₂ O ₃ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2014, 615, S522-S525.	5.5	30
11	Luminescent ceramic nano-pigments based on terbium-doped zinc aluminate: Synthesis, properties and performance. <i>Dyes and Pigments</i> , 2015, 119, 22-29.	3.7	27
12	Coordination behaviour of 2-guanidinobenzimidazole towards cobalt(II), nickel(II), copper(II) and zinc(II). An experimental and theoretical study. <i>Transition Metal Chemistry</i> , 1996, 21, 31-37.	1.4	25
13	Room-temperature synthesis of Mn ₃ O ₄ nanorods. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 1131-1134.	2.3	20
14	Sorption of Pb(II) from Aqueous Solutions by Acid-Modified Clinoptilolite-Rich Tuffs with Different Si/Al Ratios. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2415.	2.5	20
15	Preparation of free-standing Pb(Zr _{0.52} Ti _{0.48})O ₃ nanoparticles by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 42, 145-149.	2.4	17
16	Facile solid-state synthesis and study in vitro of the antibacterial activity of NiO and NiFe ₂ O ₄ nanoparticles. <i>Materialia</i> , 2021, 15, 100955.	2.7	12
17	Turquoise blue nanocrystalline pigment based on Li _{1.33} Ti _{1.66} O ₄ : Synthesis and characterization. <i>Ceramics International</i> , 2011, 37, 1465-1471.	4.8	10
18	ZnFe ₂ O ₄ and CuFe ₂ O ₄ Nanocrystals: Synthesis, Characterization, and Bactericidal Application. <i>Journal of Cluster Science</i> , 2023, 34, 111-119.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Activation of CdS nanoparticles by metallic ions and their selective interactions with PAMAM dendrimers. Colloid and Polymer Science, 2004, 282, 957-964.	2.1	8
20	Photoacoustic and Dielectric Study of Lead Zirconate Titanate Nanoparticles. Ferroelectrics, 2007, 361, 92-104.	0.6	1