

#	IF	Publicación	Autores	Título
<b>Año 2014</b>				
1	2.999	Journal of Alloys and Compounds 610 (2014) 418-421	A. Urbieto, R. del Campo, R. Pérez, P. Fernández and J. Piqueras	Luminescence and waveguiding behaviour in Ti doped ZnO micro- and nanostructures
2	3.999	Journal of Alloys and Compounds 603 (2014) 57-64	B. Sotillo, P. Fernández and J. Piqueras	Growth by thermal evaporation of Al doped ZnS elongated micro- and nanostructures and their cathodoluminescence properties
3	3.49	Optics Express 22 (12) (2014) 15298	T. Toney Fernandez, M. Hernandez, B. Sotillo, S. M. Eaton, G. Jose, R. Orellana, A. Jha, P. Fernandez, and J. Sols	Role of ion migrations in ultrafast laser written tellurite glass waveguides
4	1.32	Physics B: Phys. of Cond. Matter 453, 92-99 (2014)	A. Cremades, M. Herrera, J. Bartolomé, G. C. Vázquez, D. Maestro, J. Piqueras	On the Thermal Growth and Properties of Doped TiO2 and In2O3 Elongated Nanostructures and Nanoplates
5	2.72	Journal of Physics D: Applied Physics, 47, 365004 (2014)	R. Ranchal V. O. Maestre	Growth and characterization of Fe-doped ZnO nanowires and tapered microstructures
6	4.07	Acta Materialia 75, 41-59 (2014)	M. Herrera, A. Cremades, D. Maestro y J. Piqueras	Study of mechanical resonances of Bi2O3 micro- and nanostructures
7	3.28	Nanotechnology, 25, 235701 (2014)	T. Cebrario, Y. Ortega, P. Hidalgo, D. Maestro, B. Méndez y J. Piqueras	Study of mechanical resonances of Bi2O3 micro- and nanostructures
8	3.30	Applied Physics Letters, 104, 161909 (2014)	J. Bartolomé, P. Hidalgo, D. Maestro, A. Cremades, J. Piqueras	In-Situ SEM and AFM Young's Modulus Determination of Indium Oxide Microcords for Micro-mechanical Resonator Applications
9	4.03	Catalyst Engineering Communications, 16, 2369-2376 (2014)	M.A. Pecho-Herrero, D. Maestro, J. Ramirez-Castellanos, A. Cremades, J. Piqueras y J.M. González-Calbet	The controlled transition-metal doping of SnO2 nanoparticles with tunable luminescence
10	4.03	Journal of Materials Chemistry C, 2, 1037-10395 (2014)	G. C. Vázquez, M.A. Pecho-Herrero, D. Maestro, B. Alemán, J. Ramirez-Castellanos, A. Cremades, J.M. González-Calbet y J. Piqueras	Optical spectroscopy study of the effect of Fe and Al on the photoluminescence of ZnO nano- and microstructures
11	3.30	Appl. Phys. Lett. 105, 131101 (2014)	J. del Hoyo, R. Martínez Vázquez, B. Sotillo, T. T. Fernandez, J. Siegel, P. Fernández, R. Orellana, and J. Sols	Control of waveguide properties by tuning femtosecond laser induced compositional changes
12	2.32	Journal of Materials Science 49, 1279-1285	I. López, K. Lorenz, E. Nogales, B. Méndez, J. Piqueras, E. Alves, J. A. García	Study of the relationship between crystal structure and luminescence in rare-earth-implanted, Ga2O3 nanowires during annealing treatments
13	13.59	Nano Letters 14, 5479-5487	G. Martínez-Cortado, J. Segura-Ruiz, M.H. Chu, R. Tsubouchi, I. Lopez, E. Nogales, B. Méndez and J. Piqueras	Crossed Ga2O3/SnO2 Multilayer Architecture: A Local Structure Study with Nanometer Resolution
14	2.72	Journal of Physics D: Applied Physics, 47, 415011-1	L. Lopez, A. Castellani, A. Cavolini, E. Nogales, B. Méndez and J. Piqueras	Bi2O3 nanoparticles for an ultrafast frequency light selective fluorescence photodetector
15	2.26	Mater. Chem. Phys. 145, 18-26 (2014)	L. Alcaraz, J. Ibañi, M. Fernández, C. Diaz-Guerra	Effect of synthesis conditions on the structural characteristics and luminescence properties of YO9Er0.1V1-xCrxO4 (0 < x < 0.5) nanopowders
16	2.72	J. Phys. D: Appl. Phys. 47, 355105 (2014)	M. Vila, C. Diaz-Guerra, D. Jerez, K. Lorenz, J. Piqueras and E. Alves	Intense luminescence emission from rare-earth-doped MoO3 nanoplates and lamellar crystals for optoelectronic applications
17	3.70	Phys. Rev. B 89, 205138 (2014)	R. Martínez Casado, D. Uvayal, L. Maschio, G. Mallia, S. Casassa, J. Ellis, M. Schütz, and N.M. Harrison	Approaching an exact treatment of electronic correlations at solid surfaces: The binding energy of the lowest bound state of helium adsorbed on MoO3(100)
18	3.36	Appl. Physics Letters, 104, 211001 (2014)	A. S. Sasa, B. Martínez-Casado, and S. Mestres-Arias	Dissipative Schottky mechanics within the Gollub-Koval Framework: A trajectory analysis of wave-packet dynamics in viscous media
19	4.67	Phys. Chem. Chem Phys. 16, 21106 (2014)	R. Martínez Casado, D. Uvayal, L. Maschio, G. Mallia, S. Casassa, J. Ellis, M. Schütz, and N.M. Harrison	Diffraction of helium on MoO3(100) surface calculated from first-principles
<b>Año 2015</b>				
1	3.79	Journal of Materials Chemistry C, 3, 10981-10989 (2015)	B. Sotillo, P. Fernández and J. Piqueras	Light guiding and optical resonances in ZnS microstructures doped with Ga or In
2	0.97	Materials Research Express 2(2015) 035002	B. Sotillo, Y. Ortega, P. Fernández and J. Piqueras	Gallium doped ZnS micro- and nanostructures: thermal synthesis and structural properties
3	2.77	J. Phys. D: Appl. Phys. 48 (2015) 155101	T. T. Fernandez, J. Siegel, J. del Hoyo, B. Sotillo, P. Fernández and J. Sols	Controlling plasma distributions as driving forces for ion migration during laser writing
4	4.509	J. Phys. Chem. C, 119, 11965-11974 (2015)	G.C. Vázquez, M.A. Pecho-Herrero, D. Maestro, B. Alemán, J. Ramirez-Castellanos, A. Cremades, J.M. González-Calbet y J. Piqueras	Laser-induced Anatase-to-Rutile transition in TiO2 nanoparticles: promotion and inhibition effects by Fe and Al doping and achievement of micropatterns
5	4.03	Journal of Materials Chemistry C, 2, 1107-1112 (2015)	B. Sotillo, P. Fernández, J. Piqueras	Optical characterization of ZnO microstructures with tunable photoluminescence
6	2.69	J. Lumines. 165, 105-114 (2015)	L. Alcaraz, J. Ibañi, C. Diaz-Guerra	Effects of preparation method and pH variation on the structural characteristics and luminescence properties of YO9Er0.1VO4 and YO9Er0.1VO3Cr0.1O4 nanopowders
7	3.85	CrysEngComm 17, 132-139 (2015)	M. Vila, C. Diaz-Guerra, J. Piqueras, L. López-Conesa, S. Estradé, F. Peiró	Growth, structure, luminescence and mechanical resonance of Bi2O3 nano and microtowers
8	3.142	Applied Physics Letters, 107, 191910 (2015)	J. Bartolomé, A. Cremades, J. Piqueras	High quality factor in-plane optical microresonators
9	3.89	Phys. Rev. B 92, 155426 (2015)	V. H.-Y. Chen, G. Mallia, R. Martínez-Casado, and N.M. Harrison	Surface morphology of CuFeS2: The stability of the polar (112)/(112)over-bar surface pair
<b>Año 2016</b>				
1	4.536	J. Phys. Chem. C, 120, 22028-22034 (2016)	Miguel García-Teceador, David Maestro, Ana Cremades, and Javier Piqueras	Influence of Cr Doping on the Morphology and Luminescence of SnO2 Nanostructures
2	2.305	Semiconductor Science and Technology, 31, 119203 (2016)	I. López, M. Alonso-Orts, B. Nogales, B. Méndez and J. Piqueras	Influence of Li doping on the morphology and luminescence of Ga2O3 microcords grown by a vapor-solid method
3	4.33	Journal of Alloys and Compounds, 687, 161 (2016)	G. García, B. Sotillo, A. Urbieto, P. Fernández	Optical spectroscopy study of the effect of Fe and Al on the photoluminescence of ZnO nano- and microstructures
4	5.256	Journal of Materials Chemistry C, 4, 5709 (2016)	M. García Teceador, D. Maestro, A. Cremades, J. Piqueras	Growth and characterization of Cr doped SnO2 microtubes with resonant cavity modes
5	3.474	Crystal Engineering Communications, 18, 2541 (2016)	T. Cebrario, B. Méndez, J. Piqueras	Raman study of phase transitions induced by thermal annealing and laser irradiation in antimony oxide micro- and nanostructures
6	2.888	J. Phys. D: Appl. Phys. 49, 115501 (2016)	L. Alcaraz, J. Ibañi, C. Diaz-Guerra, M. Peiteado, A.C. Caballero	Preparation of Ca0.5Zr2TiPO4 and Ca0.45Eu0.05Zr2TiPO4 nanoparticles. Structural characterization and luminescence emission study
7	3.133	Journal of Alloys and Compounds, 687, 754 (2016)	L. Alcaraz, J. Ibañi, C. Diaz-Guerra	Comparative study of YO9Er0.1V1-xCrxO4 nanopowders with x=0, 0.1, 0.5, 0.9 and 1 prepared by sol-gel and hydrothermal processes
8	5.301	Acta Materialia, 104, 84 (2016)	P. Hidalgo, A. López, B. Méndez, J. Piqueras	Synthesis and optical properties of Zn2GeO4 microcords
9	3.836	Phys. Rev. B, 94, 235209 (2016)	G. C. Vázquez, S. Zh. Karazhanov, D. Maestro, A. Cremades, J. Piqueras, and S. E. Foss	Oxygen vacancy related distortions in rutile TiO2 nanoparticles: A combined experimental and theoretical study
10	2.305	Semiconductor Science and Technology, 31, 055006 (2016)	G. Guzmán, M. Herrera, R. Silva, G. C. Vázquez y D. Maestro	Influence of oxygen incorporation on the defect structure of GaN microcords and nanowires. An XPS and CL study
11	3.92	Journal of Physics: Condensed Matter, 28, 364501 (2016)	B. Sotillo, Y. Bharadwaj, J.P. Hadden, M. Sakakura, A. Chiappini, T.T. Fernandez, S. Lonchi, O. Jedrkiewicz, Y. Shimoizuma, et al.	Diamond photonic platform enabled by femtosecond laser writing
12	9.6	J. Chem. Phys. 144, 184702 (2016)	R. Martínez-Casado, V. H.-Y. Chen, G. Mallia, and N.M. Harrison	A hybrid-exchange density functional study of the bonding and electronic structure in bulk CuFeS2
<b>Año 2017</b>				
1	12, 712	Journal of Physics: Applied Physics, 10, 012001 (2017)	Manuel Alonso-Orts, Ana M. Sánchez, Steven A. Hindmarsh, Itali López, Emilio Nogales, Javier Piqueras, and Bianchi Méndez	Shape Engineering Driven by Selective Growth of SnO2 on Doped Ga2O3 Nanowires
2	2.686	Journal of Luminescence, 191, 56 (2017)	A. González, Emilio Nogales, K. Lorenz, E.G. Villora, K. Shimamura, J. Piqueras and B. Méndez	Raman and cathodoluminescence analysis of transition metal ion implanted Ga2O3 nanowires
3	2.588	Journal of Physics D: Applied Physics, 50, 325101 (2017)	M. Peres, K. Lorenz, E. Alves, E. Nogales, B. Méndez, X. Biquard, E.G. Villora, K. Shimamura	Doping β-Ga2O3 with Europium: Influence of the Implantation and Annealing Temperature
4	3.3	CrysEngComm, 19, 2339 (2017)	M. Vila, C. Diaz-Guerra, K. Lorenz, J. Piqueras, I. Pis, E. Magrano, C. Munuera, E. Alves, M. García-Hernández	Effects of thermal annealing on the structural and electronic properties of rare-earth-implanted MoO3 nanoplates
5	3.78	Journal of Alloys and Compounds, 723, 4321-4329 (2017)	Miguel García-Teceador, David Maestro, Ana Cremades, David Maestro, José M González-Calbet, Javier Piqueras	Growth and characterization of ZnO microstructures with tunable photoluminescence
6	3.78	Journal of Alloys and Compounds, 723, 520 (2017)	C. Diaz-Guerra, P. Almodovar, M. Camacho-López, S. Camacho-López, J. Piqueras	Formation of β-Bi2O3 and ε-Bi2O3 during laser irradiation of Bi films studied in-situ by spatially resolved Raman spectroscopy
7	3.779	Journal of Alloys and Compounds, 726, 201-208 (2017)	C. Bueno, D. Maestro, T. Diaz, H. Juárez, M. Páico, A. Cremades, and J. Piqueras	High-yield growth of Ti doped ZnO nano- and microstructures by a vapor-solid method
8	3.972	Crystal Growth & Design, 17, 4596 (2017)	Jesús Alberto Ramos Ramón, Ana Cremades, David Maestro, Rutilo Silva-González, Umapada Pal	Fabricating Necklace, Tower, and Rod-shaped In2O3 Nanostructures by Controlling Saturation Kinetics of Catalyst Droplets in VLS Process
9	3.78	Journal of Alloys and Compounds, 728, 927 (2017)	M. Vila, V. Carías, Diaz-Guerra, Javier Piqueras	Thermal growth, structure and optical characterization of hierarchical Bi2O3 - MoO3 nanostructures
10	3.78	CrysEngComm, 19, 16127 (2017)	M. Alonso-Orts, A. M. Sánchez, I. López, E. Nogales, J. Piqueras, B. Méndez	3D and 2D growth of SnO2 nanostructures. Synthesis and structural characterization
11	2.373	Journal of Physics D: Applied Physics, 50, 415104 (2017)	Miguel García-Teceador, David Maestro, Ana Cremades and Javier Piqueras	Tailoring optical resonant cavity modes in SnO2 microstructures through doping and shape engineering
12	4.536	J. Phys. Chem. C, 121, 24809 - 24815 (2017)	P. Toruella, C. Coli, G. Martín, L. López-Conesa, M. Vila, C. Diaz-Guerra, M. Varela, M. Ruiz-González, J. Piqueras, F. Peiró, and S. Estradé	Assessing Oxygen Vacancies in Bi2O3 Underneath EELS Measurements and DFT Simulations
13	4.536	Journal of Materials Chemistry C, 5(39), 10176-10184 (2017)	I. M. Zavala-Sánchez, J. N. Díaz de León, P. Fernández, J. Piqueras, B. Méndez	One-dimensional ZnO nanowires and thin films in hydrothermal synthesis: a cathodoluminescence study
14	5.256	Journal of Materials Chemistry C, 5(39), 10176-10184 (2017)	Miguel García-Teceador, David Maestro, J. Torres, A. A. Moreno, J. Ramirez-Castellanos, J. Cremades, A. González-Calbet, J. Piqueras, J.	Structural characterization at atomic level and optical properties of the ZnIn2S4(3x3x1) system.
15	5.256	Journal of Materials Chemistry C, 5(39), 10260-10269 (2017)	Félix Jiménez-Villacorta, Leo Alvarez-Fraja, Javier Bartolomé, Esteban Climent-Pascual, Eduardo Salas-Colera, Montserrat X Aguilar-Puig, Rafael Ramirez-Jiménez, Ana Cremades, et al.	Noncrystalline cubic ruthenium carbide formation in the synthesis of graphene on ruthenium ultrathin films
16	5.715	Journal of Cleaner Production, 148, 795-803 (2017)	Félix A. López, Zvezdana Cebrario, Irene García-López, Paloma Fernández, Olga Rodríguez, Ana López Fernández	Synthesis and microstructural properties of zinc oxide nanoparticles prepared by selective leaching of zinc from spent alkaline batteries using ammoniacal ammonium carbonate
17	2.999	Journal of Raman Spectroscopy, 48, 847-854 (2017)	G. C. Vázquez, D. Maestro, A. Cremades, J. Piqueras	Assessment of the Cr doping and size effects on the Raman-Active modes of rutile TiO2 by UV-visible polarized Raman spectroscopy
18	2.659	Advanced Powder Technologies, 28 (2017) 23	G. Escalante, H. Juárez and P. Fernández	CO gas sensing from ZnO films prepared by single-source chemical vapour deposition
19	3.813	Physical Review B (Rapid Communications), 95, 201301(R) (2017)	J. Montero, F.A. Martinson, M. García-Teceador, D. Maestro	Photonic mechanism in oxygen-containing ultrathin hydride thin films
20	3.671	Journal of Lightwave Technologies, 35 (2017) 2955	J. M. Moreno-Zarato, G. Escalante, J. A. Vallés, P. Fernández, M. A. Robledo, J. Sols	High efficiency waveguide optical amplifiers and lasers via a laser induced local modification of the glass composition
21	3.671	Journal of Lightwave Technologies, 35 (2017) 2955	O. Chelvanathan, S. Kumar, B. Sotillo, M. Bellas, A. Chiappini, M. Ferrari, R. Ramponi, P. D. Trapani, S. M. Eaton	Pulse Resolved beam-induced high aspect ratio microchannels on diamond surfaces for versatile microfluidic and sensing applications
22	3.067	Ceramics International, 43, 10640-10647 (2017)	M.T. Colomer, J. Bartolomé, A.L. Ortiz, A. de Andrés	Raman Characterization and Photoluminescence Properties of La1-xTbPO4-nH2O and La1-xTbPO4 Phosphor Nanorods Prepared by Microwave-Assisted Hydrothermal Synthesis
23	12, 712	Nano Letters 17, 4654-4660 (2017)	J. Bartolomé, M. Hanke, D. van Treec A. Trampert	Strain Driven Shape Evolution of Stacked (In,Ga)N Quantum Disks Embedded in GaN Nanowires
<b>Año 2018</b>				
1	5.16	Applied Surface Science 439, 1010-1018 (2018)	Jesús Alberto Ramos-Ramón, Umapada Pal, Ana Cremades, David Maestro	Effect of Ga incorporation on morphology and defect structures evolution in VLS grown 1D In2O3 nanostructures
2	3.02	Materials Letters 220, 156-160 (2018)	Carlos Bueno, Tomás Díaz, Mauricio Páico, David Maestro, Ana Cremades	Fabrication of ZnO-TiO2 axial micro-heterostructures by a vapor-solid method
3	3.133	Journal of Alloys and Compounds 744 (2018) 421-426	Y. Ortega, M.I. NÓ, P. Fernández, J. Piqueras and J.M. San Juan	In-situ transmission electron microscopy study of melting and diffusion processes at the nanoscale in ZnO nanowires with Sn cores
4	2.861	Journal of Luminescence 196 (2018) 396-401	F. Pavón, A. Urbieto, P. Fernández	Luminescence and light guiding properties of Er and Li co-doped ZnO nanostructures
5	3.399	Nanotechnology, 29, 355707 (2018)	S. Castellano-Gómez, A. Redondo-Cubero, F.J. Palomares, L. Vázquez, E. Nogales, F. Nucitelli, B. Méndez, N. Gordillo and J. I. Poni	Size-selective breaking of the core-shell structure of tellurium nanoparticles
6	10.73	Journal of Materials Chemistry A, 6, 6299-6308 (2018)	Félix del Prado Hurtado, Ana Cremades, David Maestro, Julio Ramirez-Castellanos, José M González-Calbet and Javier Piqueras	Controlled synthesis of lithium doped tin dioxide nanoparticles by a polymeric precursor method and analysis of the resulting defect structure
7	4.011	Scientific Reports 8, 8740 (2018)	G. Cristian Vázquez, David Maestro, Ana Cremades, Julio Ramirez-Castellanos, Elena Ganosa, Silvia Nappini, Smagul Zh. Karazhanov	Understanding the effects of Cr doping in rutile TiO2 by DFT calculations and X-ray spectroscopy
8	3.19	Appl. Phys. Lett. 113, 031902 (2018)	P. Almodovar, C. Diaz-Guerra, J. Ramirez-Castellanos, J.M. González-Calbet, M. Peres, and K. Lorenz	Spatially resolved optical activation of Er ions by laser irradiation in implanted hexagonal MoO3 nanoparticles
9	4.8	Phys. Rev. Appl. 9, 064004 (2018)	M. Alonso-Orts, E. Nogales, J. M. San Juan, M. I. NÓ, J. Piqueras and B. Méndez	Motif analysis of beta-Ga2O3 Cr wide tunable luminescent optical microcavities
10	3.474	Crys. Eng. Comm. 20, 2982-2990 (2018)	Félix del Prado, Camilo Florian, Belén Sotillo, Jan Siegel, Javier Sols, Paloma Fernández	Optical spectroscopy study of nano- and microstructures fabricated by femtosecond laser pulses on ZnO based systems
11	3.399	Nanotechnology, 29 (3), 035401 (2018)	M. García-Teceador, S. Zh. Karazhanov, G. Corrales, H. Haug, D. Maestro, A. Cremades, M. Tashir, J. Ramirez-Castellanos, J.M. González-Calbet, J. Piqueras, CC You, ES Marstein	Silicon surface passivation by PEDOT: PSS functionalized by SnO2 and TiO2 nanoparticles
12	3.19	Surf. Coat. Technol. 355, 30-54 (2018)	D. R. Pereira, M. Peres, C. Alves, J.G. Correia, C. Diaz-Guerra, G.A. Silva, E. Alves, K. Lorenz	Electrical characterization of molybdenum oxide lamellar crystals irradiated with UV light and proton beams
13	3.38	CrysEngComm, 20, 1449 (2018)	A. Urbieto, V. Sánchez, P. Fernández, J. Piqueras	Fast growth of undoped and Sn and Ti doped ZnO nanowires by Joule heating of Zn
14	3.38	CrysEngComm, 20, 4654 (2018)	P. Almodovar, C. Diaz-Guerra, J. Ramirez-Castellanos, A. Cremades, A.	In-situ assessment of laser irradiation phase transformations in hexagonal MoO3
15	3.04	RSC Advances 8, 33496-33505 (2018)	L. Alcaraz, A. López-Fernández, I. García-Díaz, A. Urbieto, P. Fernández, F. A. López	Synthesis and properties of zinc manganese binary oxides with different Mn/Zn ratios from spent alkaline and Zn-C batteries.
16	3.866	Optics Letters 43, 2623-2626 (2018)	A. Dias, F. Muñoz, A. Alvarez, P. Moreno, J. Alenzar, A. Urbieto, A. Urbieto, R. Serna, J. Sols	Femtosecond laser writing of photonic devices in borate glasses compositionally designed to be laser writable
17	3.52	Applied Physics Letters, 112, 013109 (2018)	B. Sotillo, A. Chiappini, Y. Bharadwaj, J.P. Hadden, P. Bosis, P. Olivero, M. Ferrari, R. Ramponi, P.E. Barclay, S.M. Eaton	Polarized micro-Raman studies of femtosecond laser written stress-induced optical waveguides in diamond
18	3.1	Scientific Reports 8, 14745 (2018)	M. Kumar, S. H. Eaton, M. Bellas, B. Sotillo, A. Chiappini, M. Ferrari, R. Ramponi, P. D. Trapani, O. Jedrkiewicz	Laser induced formation of diamond with ultrafast laser pulses in diamond
19	3.866	Optics Letters 43, 3858-3869 (2018)	J.P. Hadden, Y. Bharadwaj, B. Sotillo, S. Ramponi, R. Orellana, T.T. Fernandez, A. Chiappini, C. Armentini, M. Ferrari, R. Ramponi, P.E. Barclay, S.M. Eaton	Integrated waveguides and deterministically positioned nitrogen vacancy centers in diamond created by femtosecond laser writing
20	3.66	Optics Express, 26, 702-710 (2018)	M. Ramos Vázquez, Y. Bharadwaj, B. Sotillo, S.-Z. A. Lo, R. Ramponi, D. Wlthelme, G. Lanzani, M. S. Eaton, C. Soci	Optical NP monomer solver on laser-written waveguide platform
21	23.73	Progress in Materials Science 94, 68-113 (2018)	T. T. Fernandez, M. Sakakura, S.M. Eaton, B. Sotillo, J. Siegel, J. Sols, Y. Shimoizuma, K. Mura	Bespoke photonic devices using ultrafast laser driven ion migration in glasses
22	6.1	Phys. Chem. Chem Phys. 20, 3662-3676 (2018)	R. Martínez-Casado, G. Mallia, N.M. Harrison, and R. Pérez	First principles study of diamond with ultrafast laser pulses: analysis (101) as a function of the coverage
23	10.159	Nano Futures 2, 0450-0460 (2018)	L. Rodrigo, P. Pou, R. Martínez-Casado, A. J. Martínez-Galera, J. M. Gómez-Rodríguez, and R. Pérez	Characterizing self-assembled multilayers on weakly interacting substrates: the role of the van der Waals and the chemical interactions
<b>Año 2019</b>				
1	4.011	Scientific reports 9, 13572 (2019)	Clerici, V. Delgado-Notario, J.A. Sáiz-Breñin, M. Matychev, A.V. Mozurk, Y.M. Hidalgo, P. Méndez, B. Amado, M. Domínguez-Adame, F. Diaz, E.	Quantum nanoconstrictions fabricated by cryo-etching in encapsulated graphene
2	3.99	Ceramics International 45, 6842-6852 (2019)	O. Baza, A. Urbieto, J. Piqueras, P. Fernández, M. Addou, J.J. Calvino, A. B. Hungria	Influence of vitrium doping on the structural, morphological and optical properties of nanostructured ZnO thin films grown by spray pyrolysis
3	5.289	J. Mater. Res. Technol. 8, 2809-2818 (2019)	L. Alcaraz, I. García-Díaz, L. González, M. E. Rabanal, A. Urbieto, P. Fernández, F. A. López	New photovoltaic materials obtained from the recycling of alkaline and ZnO spent batteries
4	4.65	Journal of Alloys and Compounds 808, 151710 (2019)	O. Baza, A. Urbieto, J. Piqueras, P. Fernández, M. Addou, J. J. Calvino, A. B. Hungria	Enhanced UV emission of Li-Y co-doped ZnO thin films via spray pyrolysis
5	7.29	Acta Mater. 169, 15-27 (2019)	R. D. Pereira, C. Diaz-Guerra, M. Peres, S. Mosalghani, João G. Correia, J. G. Marques, A. G. Silva, E. Alves, K. Lorenz	Engineering strain and conductivity of MoO3 by ion implantation
6	8.1	Nano Research 12, 441 (2019)	M. García-Teceador, M. Bartolomé, J. Maestro, D. Trampert, A. Cremades, A.	Li2SnO3 branched nano- and microstructures with intense and broadband white-light emission
7	3.399	Nanotechnology, 30, 064004 (2019)	O. M. Rigby, A. V. Stamp, S. A. Hindmarsh, M. Alonso-Orts, E. Nogales, B. Méndez, A. Cremades, A.	Direct observation of tunnelled intergrowth in SnO2/Ga2O3 Complex Nanowires
8	4.309	J. Phys. Chem. C, 123, 11874 (2019)	D. Ni, Faye, X. Biquard, E. Nogales, M. Felizardo, M. Peres, A. Redondo-Cubero, T. Azeiteiro, B. Daudin, L.H. Tizei, M. Kociak, P. Ruterana, W. Möller, B. Méndez, E. Alves, K. Lorenz	Incorporation of Europium into GaN Nanowires by Ion Implantation
9	3.782	Front. Chem. 7, 200 (2019)	R. Martínez-Casado, D. Todorov, G. Mallia, N.M. Harrison and R. Pérez	First Principles Calculations on the Spontaneous and Defective (110) Anatase Surface and Open Hydrogen and H2PC Adsorption: The Influence of Electronic Exchange and Correlation and of Basis Set Approximations.
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