

1. A theoretical study on the geometry and spectroscopic properties of ground-state and local minima isomers of $(\text{CuS})_{n=2-6}$ clusters, Jonathan C. Luque-Ceballos , Alvaro Posada-Borbon , Ronaldo Herrera-Urbina , **R. Aceves** , J. Octavio Juarez-Sanchez d , Alvaro Posada-Amarillas, Physical E: Low-dimensional Systems and Nanostructures, 01/03/2018, Vol. 97 / 1-7 horas, Elsevier.
2. Luminiscent properties of a hybrid SiO_2 -PMMA matrix doped with terbium, J. De la Cruz, R. Palomino Merino, P. Trejo-García, J.E. Espinosa, **R. Aceves Torres**, Moreno-Barbosa, J. Gervacio-Arciniegaa, E. Sotoc, Optical Materials, 01/01/1900, 0 / 0 horas.
3. Source apportionment and environmental fate of lead chromates in atmospheric dust in arid environments, Diana Meza-Figueroa, Belem González-Grijalva, Francisco Romero, Joaquin Ruiz, **Martín Pedroza-Montero**, Carlos Ibañez-Del Rivero, **Mónica Acosta-Elías**, Lucas Ochoa-Landin, **Sofía Navarro-Espinoza**, science of the total Environment, 15/07/2018, 630 / 1596-1607 horas, ELSEVIER.
4. Muscle lysyl oxidase activity and structural/thermal properties of highly cross-linked collagen in jumbo squid (*Dosidicus gigas*) mantle, fins and arms, Héctor M. Sarabia-Sainz1 • Josafat Marina Ezquerro-Brauer1 • Hisila C. Santacruz-Ortega2 • Ofelia Rouzaud-Sández1 • Elisa M. Valenzuela-Soto3 • **Monica Acosta-Elias** • Wilfrido Torres-Arreola1, Food Science and Biotechnology, 01/02/2018, 27 / 57-64 horas, Springer Link.
5. Preparation of thin films bismuth sulfide by chemical bath deposition technique, a simplified formulation, e. chavez-mendiola, **m. c. acosta-enríqueza**, carrillo-castillo, o. arellano-tánorie , j.o.rivera-nieblas, s.j. castilloa, chalcogenide letters, 7 / 395-404 horas, 16/07/2018, virtual institute of physics.
6. The extreme initial kinetic energy allowed by a collapsing turbulent core, **Guillermo Arreaga Garcia**, astrophysics and space science, vol 363 / 156-168 horas, 24/07/2018, springer.
7. Nanoscale dose deposition in cell structures under X-ray irradiation treatment assisted with nanoparticles: An analytical approach to the relative biological effectiveness, W. Melo-Bernal, V. Chernov, G. Chernov, **M. Barboza-Flores**, Applied Radiation and Isotopes, Vol. 38 / 50-55 horas, 31/08/2018, Elsevier.
8. Afterglow, thermoluminescence and optically stimulated luminescence characterization of micro-, nano- and ultrananocrystalline diamond films grown on silicon by HFCVD. Jorge A. Montes-Gutiérrez, Jesús J. Alcantar-Peña, Elida de Obaldia, Nancy J. Zúñiga-Rivera, Valery Chernov, Rodrigo Meléndrez-Amavizca, **Marcelino Barboza-Flores**, Rafael Garcia-Gutierrez, Orlando Auciello, Diamond and Related Materials, Vol. 85 / 117-124 horas, 31/05/2018, Elsevier.
9. Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector, **Benitez Rubio Jose Feliciano**, 03 / 174 horas, 01/01/2018, Journal of High Energy Physics.
10. Novel two-stage method for the synthesis of silicon quantum dots embedded on ZnO matrix, H.J. Higuera-Valenzuela, F. Romo-García, D. Cabrera-German, A. Ramos-Carrasco R. Rosas-Burgos, R. García-Gutierrez, O.E. Contreras, **D. Berman-Mendoza**, 228 / 157-159 horas, 28/05/2018, Elsevier.
11. Afterglow based detection and dosimetry of beta particle irradiated ZrO_2 , Ch.J. Salas-Juárez, Cruz-Vázquez , R. Avilés-Monreal, **R. Bernal**, Applied Radiation and Isotopes, Volumen 138 / 6-9 horas, 01/08/2018, Elsevier.
12. Afterglow dosimetry performance of beta particle irradiated lithium zirconate, T.C. Hernández-Pérez , **R. Bernal**, C. Cruz-Vázquez , F. Brown , A. Mendoza-Córdova, Ch.J. Salas-Juárez , R. Avilés-Monreal, Volumen 138 / 2-5 horas, 01/08/2018, Elsevier.

13. New route for the synthesis of ammonia-free CdS tetrapods nanoparticles at room temperature by chemical bath deposition, **S.J.Castillo**, A.Apolinar-Irribé, R.Ochoa-Landín, Digest Journal of Nanomaterials and Biostructures, 2 / 591-594 horas, 20/06/2018, 20/06/2018.
14. Preparation of thin films bismuth sulfide by chemical bath deposition technique, a simplified formulation e. chavez-mendiola*, m. c. acosta-enríquez, a. carrillo-castillo, o. arellano-tánori j.o.rivera-nieblas, **s.j. castillo**, 7 / 395-401 horas, 10/07/2018, Board.
15. Morphological and structural study of the growth of some cdte thin films on al₂o₃/hd-si, hfo₂/hd-si and sio₂/hd-si substrates, by pulsed laser deposition l. i. lomeli-galaz , m. a. quevedo-lopez, a. g. rojashernandez , a. de leone, a. apolinar-iribe, r. ochoa-landin, g. valencia-palomo, **s. j. Castillo**, Chalcogenide Letters , 6 / 353-364 horas, 15/06/2018, Board.
16. Synthesis and characterization of molybdenum sulfide nanoparticles by a new chemical reaction formulation. h.a. pineda-león, a.carrillo-castillo, r.ochoa-landín, m.c.acosta-enriquez, gutiérrez-heredia, ruvalcaba-manzo and **s.j.Castillo**, 2, 3 / 1-5 horas, 16/07/2018, Board.
17. Afterglow, thermoluminescence and optically stimulated luminescence characterization of micro-, nano- and ultrananocrystalline diamond films grown on silicon by HFCVD, Jorge A. Montes-Gutiérrez, Jesús J. Alcantar-Peña, Elida de Obaldíad, Nancy J. Zúñiga-Rivera, **Valery Chernov** , Rodrigo Meléndrez-Amavizca, Marcelino Barboza-Flores, Rafael Garcia-Gutierrez, Orlando Auciello, Diamond & Related Materials, 117-124 horas, 29/03/2018, Elsevier B.V.
18. Swelling and methylene blue adsorption of poly (N, N-dimethylacrylamide-co-2-hydroxyethyl methacrylate) hydrogel, A.R. Hernandez-Martínez,*, J.A. Lujan-Montelongo , C. Silva-Cuevasb , Josué D. Mota-Moralesa , **M. Cortez-Valadez**, Álvaro de Jesus Ruíz-Baltazard , M. Cruze , Jorge Herrera-Ordóñez, Reactive and Functional Polymers, 122 / 75-84 horas, 01/01/2018, Elsevier.
19. Non-resonant enhancement mechanism in SERS effect due to copper oxide quantum dots stabilized in synthetic zeolite F9-NaX, C.E. Martínez-Núñez, Y. Delgado-Beleno, **M. Cortez-Valadez**, N.S. Flores-López , **M. Flores-Acosta**, Castillon-Barraza, Materials Chemistry and Physics, Materials Chemistry and Physics, 211 / 150-159 horas, 01/06/2018, Elsevier.
20. Ultra-small Ag clusters in zeolite A4: Antibacterial and thermochromic applications, P. Horta-Frajo a , **M. Cortez-Valadez**, N.S. Flores-Lopez, R. Britto Hurtado, R.A. Vargas-Ortiz A. Perez-Rodriguez, **M. Flores-Acosta**, Physica E: Low-dimensional Systems and Nanostructures, 97 / 111-119 horas, 01/03/2018, Elsevier.
21. Lead (II) removal by poly(N,N-dimethylacrylamide-co-2-hydroxyethyl methacrylate), A.L. Ramos-Jacques, J.A. Lujan-Montelongo, C. Silva-Cuevas , One-step synthesis of reduced graphene oxide/gold nanoparticles under ambient conditions, M.Estevez, A.R. Hernandez-Martínez, European Polymer Journal, 101 / 262-272 horas, 01/04/2018, Elsevier.
22. Optical properties of silver, silver sulfide and silver selenide nanoparticles and antibacterial applications, Y. Delgado-Belén, C.E. Martínez-Núñez , **M. Cortez-Valadez**, N.S. Flores-López , **M. Flores-Acosta**, Materials Research Bulletin, 99 / 385-392 horas99 / 385-392 horas,15/03/2018, Elsevier Ltd.
23. Structural and vibrational properties of gold-doped titanium clusters: A first-principles study, R. Britto Hurtado, M. Cortez-Valadez , R. Gámez-Corrales , **M. Flores-Acosta**, Computational and Theoretical, 1124 / 32-38 horas, 15/01/2018, Elsevier science bv.
24. One-step synthesis of reduced graphene oxide/gold nanoparticles under ambient conditions, R. Britto Hurtado, M. Cortez-Valadez, J.R. Aragon-Guajardo, J.J. Cruz-Rivera, F. Martínez-Suaíz, **M. Flores-Acosta**, 0 / 0 horas, 01/01/1900.
25. Afterglow, Thermoluminescence and Optically Stimulated Luminescence Characterization of Micro-, Nano-, and Ultrananocrystalline Diamond Films Grown on Silicon by HFCVD, Jorge A. Montes-Gutiérrez, Jesús J. Alcantar-Peña, Elida de Obaldíad, Nancy J. Zúñiga-Rivera, Valery Chernov, Rodrigo Meléndrez-Amavizca, Marcelino Barboza-Flores, **Rafael Garcia-Gutierrez**, Orlando Auciello, Diamond & Related Materials 85/ 117 - 124 horas, 26/03/2018, Elsevier.
26. Novel two-stage method for the synthesis of silicon quantum dots embedded on ZnO matrix, H.J. Higuera-Valenzuela a,† , F. Romo-García a , D. Cabrera-German c , A. Ramos-

- Carrasco b , R. Rosas-Burgos a , **R. García-Gutiérrez b** , O.E. Contreras d , D. Berman-Mendoza, *Materials Letters*, 228 / 157 - 159 horas, 28/05/2018, Elsevier.
27. Enhanced crystalline size of undoped GaN powders obtained by nitridation of metallic gallium, Erick Gastellóua, Crisoforo Morales, **Rafael García**, Godofredo García, Gustavo A. Hirata, Reina Galeazzia , Ana M. Herreraa , Enrique Rosendoa , Tomas Díaz, Juan R. Ramos, Roman Romano, Antonio Coyopol, *Optical Materials*, 83 / 220 - 224 horas, 11/06/2018, Elsevier.
28. Optimization and synthesis approaches of semiconductor nanoparticles of crystalline CdSe using Taguchi method, **García Juárez Alejandro**, *Journal of Materials Science: Materials in Electronics*, 7 horas, 22/05/2018, Springer.
29. Out-of-plane band structure of a two-dimensional dispersive photonic crystal, JESÚS DANIEL VALENZUELA-SAU1 AND RAÚL GARCÍA-LLAMAS, *optics letters*, 43 / 2360-2363 horas, 15/05/2018, OSA.
30. Surface plasmon field enhancement: excitation by a short pulse or narrow beam of light, J. M. GUTIERREZ VILLARREAL, **J. A. GASPAR ARMENTA**, AND L. A. MAYORAL ASTORGA, *Journal of the Optical Society of* , 35(5) / 1040-1045 horas, 10/04/2018, Optical Society of America.
31. Pressure influence on structural and optical behaviors of ZnTe thin films grown by PLD, **Leal Cruz Ana Lilia**, Download PDF *Journal of Materials Science: Materials in Electronics*, 29 / 7629-7636 horas, 13/02/2018, Springer.
32. Optimization and Synthesis Approaches of Semiconductor Nanoparticles of Crystalline CdSe using Taguchi Method, **Leal Cruz Ana Lilia**, *Journal of Materials Science: Materials in Electronics*, xx / xx horas, 12/05/2018, Springer.
33. Improved analytical model for the mass distribution in S-type galaxies, **Lipovka Anton**, *Publications of the Astronomical Society of Japan*, 0 horas, 01/01/1900.
34. Recovery of transit times and frequencies of multiple pulses via the short-time Fourier transform, **Manzanares Martínez Jesus**, *Revista Mexicana de Física*, 64 / 296-301 horas, 01/03/2018, Sociedad Mexicana de Física.
35. Antioxidant activity of hydrated carboxylated nanodiamonds and its influence on water?-radiolysis, **Dr. Rodrigo Meléndrez Amavizca**, *Nanotechnology*, 12 / 125707 horas, 12/02/2018, Institute of Physics Publishing.
36. A nanodiamond-fluorescein conjugate for cell studies, **Dr. Rodrigo Meléndrez Amavizca**, *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 1 / 015013 horas, 13/03/2018, Institute of Physics Publishing.
37. Afterglow, thermoluminescence and optically stimulated luminescence characterization of micro-, nano- and ultrananocrystalline diamond films grown on silicon by HFCVD, **Dr. Rodrigo Meléndrez Amavizca**, *Diamond and Related Materials*, 85 / 117-124 horas, 08/05/2018, Elsevier Ltd.
38. Electro spray-assisted fabrication of core-shell arabinosyl gel particles for insulin and probiotics entrapment, Rita Paz-Samaniego, Agustín Rascon-Chu, Francisco Brown-Bojorquez, Elizabeth Carvajal-Millan , **Martin Pedroza-Montero** , **Erika Silva-Campa**, Norberto Sotelo-Cruz, Yolanda L. Lopez-Franco , Jaime Lizardi-Mendoza , *Journal of Applied Polymer Science*, 26 / 46411 horas, 10/07/2018, Wiley Online Library.
39. A nanodiamond-fluorescein conjugate for cell studies, Seidy Pedroso-Santana, Noralvis Fleitas-Salazar, Andrei Sarabia-Sainz, **Erika Silva-Campa**, Alexel Burgara-Estrella, Aracely Angulo-Molina, Rodrigo Meléndrez, **Martin Pedroza-Montero** and Raul Riera, *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 1 / 015013 horas, 29/03/2018, IOP publishing.
40. Antioxidant activity of hydrated carboxylated nanodiamonds and its influence on water ?-radiolysis, Karla Santacruz-Gomez, A. Sarabia-Sainz, M. Acosta-Elias, M. Sarabia-Sainz, Woraphong Janetanakit, Nathan Khosla, R. Meléndrez, **Martin Pedroza Montero** and Ratnesh Lal, *Nanotechnology*, 12 / 125707 horas, 12/02/2018, IOP publishing.

41. Denoising and Principal Component Analysis of Amplified Raman Spectra from Red Blood Cells with Added Silver Nanoparticles, L. Ferrer-Galindo,1 A. D. Sañu-Ginarte,1 N. Fleitas-Salazar,2 L. A. Ferrer-Moreno,3 R. A. Rosas,2 **M. Pedroza-Montero**,2 and R. Riera 2, Journal of Nanomaterials, 2018 / 1-9 horas, 03/06/2018, Hindawi.
42. Theoretical investigation of the structures of unsupported 38-atom CuPt clusters, **Alvaro Posada Amarillas**, The European Physical Journal B, 0 / 123 horas, 18/06/2018, Springer.
43. CO₂ adsorption on gas-phase Cu_{4-x}Pt_x (x 0-4) clusters: a DFT study, **Alvaro posada Amarillas**, Physical Chemistry Chemical Physics, 25 / 17071-17080 horas, 24/05/2018, Royal Society of Chemistry.
44. Electronic structure and optical properties of the new β -CdCr₂O₄ phase Electronic structure and optical properties of the new β -CdCr₂O₄ phase, **Alvaro Posadas Amarillas**, Computational Materials Science, 0 / 405-410 horas, 13/07/2018, Elsevier.
45. A theoretical study on the geometry and spectroscopic properties of ground-state and local minima isomers of (CuS)_{n-6} clusters, **Alvaro Posadas Amarillas**, Physica E, 0 / 1-7 horas0, 16/03/2018, Elsevier.
46. Empirical-potential global minima and DFT local minima of trimetallic Ag_lAu_mPt_n (l + m + n 13, 19, 33, 38) clusters, **Alvaro Posadas Amarillas**, Computational Materials Science, 0 / 30-40 horas, 12/01/2018, Elsevier.
47. A nanodiamond-fluorescein conjugate for cell studies, Seidy Pedroso-Santana, Noralvis Fleitas-Salazar, **Andrei Sarabia-Sainz**, Erika Silva-Campa, Alexel Burgara-Estrella, Aracely Angulo-Molina, Rodrigo Melendrez, Martin Pedroza-Montero and **Raul Riera**, Advances in Natural Sciences: Nanoscience and Nanotechnology, 9 / 1-8 horas, 29/03/2018, IOP Publishing.
48. Denoising and Principal Component Analysis of Amplified Raman Spectra from Red Blood Cells with Added Silver Nanoparticles, L. Ferrer-Galindo, Ri. Betancourt-Rierab, Re. Betancourt-Rierab,* , **R. Riera**, Journal of Nanomaterials, ID 9417819 / 1-9 horas, 03/06/2018, Hindawi.
49. Electron states and electron Raman scattering in an asymmetrical double quantum well: External electric field, L. Ferrer-Galindo, Ri. Betancourt-Riera, Re. Betancourt-Riera, **R. Riera**, Physica B: Condensed Matter, 545 / 215-221 horas, 19/06/2018, 19/06/2018, Elsevier B.V.
50. Confined beryllium atom electronic structure and physicochemical properties, A D Sañu-Ginarte, L Ferrer-Galindo, R A Rosas, A Corella-Madueño, Ri Betancourt-Riera, L A Ferrer-Moreno and **R Riera**, Journal of Physics Communications, 2 / 1-11 horas, 09/01/2018, IOP Publishing Ltd.
51. Modos electromagnéticos en esferas metálicas; plasmones en micro y nanopartículas, **R. Rodríguez-Mijangos y R. García-Llamas**, Revista Mexicana de Física E, 64 (2) / 1-9 horas, 10/08/2018, S M F.
52. Optimization and synthesis approaches of semiconductor nanoparticles of crystalline CdSe using Taguchi method, A. L. Leal-Cruz · A. Vera-Marquina1 · A. Espinoza-Duarte · A. G. **Rojas-Hernández** · A. García-Juarez · J. A. Aguilar-Martínez · I. E. Zaldivar-Huerta3, Journal of Materials Science: Materials in Electronics, X / 1-7 horas, 22/05/2018, springer.
53. Morphological and structural study of the growth of some CdTe thin films on Al₂O₃/HD-Si, HfO₂/HD-Si and SiO₂/HD-Si substrates, by Pulsed Laser Deposition, **Rojas-Hernández**, X / X horas, 27/06/2018, Virtual Institute of Physics operated by Virtual Company of Physic.
54. Results of the 2017 mexican asteroid photometry campaign – part 1, **Saucedo Morales Julio Cesar**, Minor Planet Bulletin, 45-2 / 122-124 horas, 30/06/2018, The association of lunar and planetary observers.
55. Lightcurves for asteroids 2022 west and 18301 konyukhov, **Saucedo Morales Julio Cesar**, Minor Planet Bulletin, 45 / 233-234 horas, 01/08/2018, the association of lunar and planetary observers.

56. Correlations and flow of information between the New York Times and stock markets, **Urrutia Banelos Efrain**, *physica: statistical mechanics and its applications*, vol.502 / 403-415 horas, 01/03/2018, Elsevier.
57. Pressure influence on structural and optical behaviors of ZnTe thin films grown by PLD, **Vera Marquina Alicia**, *Journal of Materials Science: Materials in Electronics*, pendiente / 1-7 horas, 22/05/2018, Springer.
58. Optimization and synthesis approaches of semiconductor nanoparticles of crystalline CdSe using Taguchi method, **Vera Marquina Alicia**, *Journal of Materials Science: Materials in Electronics Journal of Materials Science: Materials in Electronics*, pendiente / 1-7 horas, 22/05/2018, Springer.
59. Yellow to orange-reddish glass phosphors: Sm³⁺, Tb³⁺ and Sm³⁺/Tb³⁺ in zinc tellurite-germanate glasses, M.E. Alvarez-Ramos a, J. Alvarado-Rivera, **Ma. E. Zayas**, U. Caldino, J. Hernandez-Paredes.