PUBLICATIONS (69 Total Publications) (H-index = 14, Cites = 659, by Publons – Web of Science) (H-index = 16, Cites = 944, by google scholar)

1. R. E. Grijalva-Guiza, T.L. Grijalva-Montano, M. Cuautle, **E. Quiroga-González**, L.R. Hernández, A. Ortega Aguilar, A.M. Jiménez-Garduño, "Analysis of Beneficial Effects of Flavonoids in Patients with Atherosclerosis Risk on Blood Pressure or Cholesterol during Random Controlled Trials: A Systematic Review and Meta-Analysis", *Sci. Pharm*. 91 (2023) 55. ISSN: 2218-0532. Switzerland. DOI: 10.3390/scipharm91040055
2. K.C. Chávez-Gómez, E. López-López, **E. Quiroga-González**, Book chapter "Test of electrodes based on manganese oxide with and without potassium cations for supercapacitors" in "Engineering and Applied Sciences", Handbooks T-I with ISBN: 978-607-8948-09-3. ECORFAN Mexico, S.C. (2023). First edition and DOI: 10.35429/H.2023.6.90.96
3. Y. Estévez-Martínez, **E. Quiroga-González**, E. Cuevas-Yañez, S. Durón-Torres, D. Alaníz-Lumbreras, E. Chavira-Martínez, R. Posada-Gómez, J. Bravo-Tapia, V. Castaño-Meneses, "Membranes of Multiwall Carbon Nanotubes in Chitosan–Starch with Mechanical and Compositional Properties Useful in Li-Ion Batteries", *C* 9 (2023) 87. ISSN: 2311-5629. Switzerland. DOI: 10.3390/c9030087
4. J. Rojas-Calderón, **E. Quiroga-González**, "Metallurgical Grade Silicon as Electrode Material of Lithium Ion Batteries", *J. Mex. Chem. Soc*. 67(4) (2023) 472-482. ISSN-e 2594-0317. Mexico. DOI: 10.29356/jmcs.v67i4.2043
5. A.E. Hench-Cabrera, **Enrique Quiroga-González**, "Direct electrochemical detection mechanism of ammonia in aqueous solution using Cu-decorated Si microelectrodes", *J. Electrochem. Sci. Eng.* 13(6) (2023) 949-957. ISSN: 1847-9286. Croatia. DOI: 10.5599/jese.1843
6. M.E. Carbonó dela Rosa, G. Velasco Herrera, R. Nava, **E. Quiroga González**, R. Sosa Echeverría, P. Sánchez Álvarez, J. Gandarilla Ibarra, V.M. Velasco Herrera, "A New Methodology for Early Detection of Failures in Lithium-Ion Batteries", *Energies* 16 (2023) 1073. ISSN: 1996-1073. Switzerland. DOI: 10.3390/en16031073
7. E. Espinosa-Villatoro, J. Nelson Weker, J. S. Ko, **E. Quiroga-González**, "Tracking the evolution of processes occurring in silicon anodes in lithium ion batteries by 3D visualization of relaxation times", Journal of Electroanalytical Chemistry, 892 (2021) 115309. ISSN: 1572-6657. Netherlands. DOI: 10.1016/j.jelechem.2021.115309
8. A. Garzon-Roman, **E. Quiroga-González**, C. Zúñiga-Islas, "Heterostructure of TiO_2 and macroporous silicon: The simplest relaxation oscillator", Journal of Science: Advanced Materials and Devices, 6 (2021) 209-214. Online ISSN: 2468-2179, Vietnam. DOI: 10.1016/j.jsamd.2021.01.003
9. **E. Quiroga-González**, E. Morales-Merino, "Mexican Onyx Waste as Active Material and Active Material's Precursor for Conversion Anodes of Lithium Ion Batteries", Frontiers in Energy Research, 9 (2021) 593574. Online ISSN: 2296-598X, Switzerland. DOI: 10.3389/fenrg.2021.593574

10. J. D. Garay-Marín, **E. Quiroga-González**, L.L. Garza-Tovar, F. Reuter, C. Kensy, H. Althues, S. Kaskel, "High-performing Li-ion battery with "two cathodes in one" of sulfur and $LiFePO_4$ by strategies of mitigation of polysulfide shuttling", Batteries & Supercaps. 4 (2021) 359 –367. Online ISSN: 2566-6223, Germany. DOI: 10.1002/batt.202000238

11. K. A. López-Castaños, L. A. Ortiz-Frade, E. Méndez, **E. Quiroga-González**, M. A. González-Fuentes, A. Méndez-Albores, "Indirect Quantification of Glyphosate by SERS Using an Incubation Process With Hemin as the Reporter Molecule: A Contribution to Signal Amplification Mechanism", Front. Chem. 8 (2020) 612076. Online ISSN: 2296-2646, Switzerland. DOI: 10.3389/fchem.2020.612076

12. D. C. Martínez-Casillas, I. Mascorro-Gutiérrez, M. L. Betancourt-Mendiola, G. Palestino, **E. Quiroga-González**, J. E. Pascoe-Sussoni, A. Guillén-López, Jesús Muñiz, A. K. Cuentas-Gallegos, "Residue of corncob gasification as electrode of supercapacitors: An experimental and theoretical study", Waste and Biomass Valorization. 12 (2021) 4123–4140. Online ISSN: 1877-265X, Germany. DOI: 10.1007/s12649-020-01248-2

13. Y. Y. Rivera-Lugo, R. M. Félix-Navarro, B. Trujillo-Navarrete, E. A. Reynoso-Soto, C. Silva-Carrillo, C. A. Cruz-Gutiérrez, **E. Quiroga-González**, J. C. Calva-Yáñez, "Flower-like δ-MnO_2 as cathode material of Li-ion batteries of high charge-discharge rates", Fuel. 287 (2021) 119463. ISSN: 0016-2361, Netherlands. DOI: 10.1016/j.fuel.2020.119463

14. L. A. Rodríguez-Guadarrama, J. Escorcia-García, **E. Quiroga-González**, I. L. Alonso-Lemus, "Study of the performance of $Sn_xSb_yS_z$/carbon nanofibers composite as anode of sodium-ion batteries", MRS Advances. 5 (2020) 2917–2927. Online ISSN: 2059-8521, USA. DOI: 10.1557/adv.2020.371

15. M. A. Cabañero, M. Hagen, **E. Quiroga-González**, "In-Operando Raman study of lithium plating on graphite electrodes of Lithium Ion Batteries", Electrochim. Acta. 374 (2021) 137487. Online ISSN: 0013-4686, United Kingdom. DOI: 10.1016/j.electacta.2020.137487

16. H. Flores Méndez, **E. Quiroga González**, "Effect of the temperature on the synthesis of compound Cu_2SnS_3 using the chemical bath deposition", Revista Latinoamericana el Ambiente y las Ciencias 11(27) (2020) 61-75. ISSN: 2007-512X, Mexico.

17. O. E. Gutiérrez-Garza, L. L. Garza-Tovar, **E. Quiroga-González**, N. A. García Gómez, Y. Peña-Mendez, E. M. Sánchez Cervantes, "Solvothermal synthesis of Sb_2S_3 needles and study of the effect of their intergrowth on their optical properties", Chalcogenide Letters 17(5) (2020) 257 – 262. Online ISSN: 1584-8663, Romania.

18. J. D. Garay-Marín, **E. Quiroga-González**, L. L. Garza-Tovar, "Two Cathodes in One for Lithium-Ion Batteries: Voltammetric Study of a Composite Cathode of Sulfur and $LiFePO_4$", ChemistrySelect 5 (2020) 6172 – 6177. Online ISSN: 2365-6549, United Kingdom. DOI: 10.1002/slct.202001292

19. V. Aca-López, **E. Quiroga-González**, E. Gómez-Barojas, J. Swiatowska, J. A. Luna-López, "Effects of the doping level in the production of silicon nanowalls by metal assisted chemical etching", Materials Science in Semiconductor Processing 118 (2020) 105206. ISSN: 1369-8001, United Kingdom. DOI: 10.1016/j.mssp.2020.105206

20. O. Pérez-Díaz, **E. Quiroga-González**, "Silicon Conical Structures by Metal Assisted

Chemical Etching", Micromachines 11 (2020) 402. Online ISSN: 2072-666X, Switzerland. DOI: 10.3390/mi11040402

21. A. Garzon-Roman, C. Zúñiga-Islas, **E. Quiroga-González** "Immobilization of doped TiO_2 nanostructures with Cu or In inside of macroporous silicon using the solvothermal method: Morphological, structural, optical and functional properties", Ceramics International 46 (2020) 1137–1147. Online ISSN: 0272-8842, United Kingdom. DOI: 10.1016/j.ceramint.2019.09.082

22. H. Flores Méndez, **E. Quiroga González**, "Green synthesis and characterization of compound Cu_2SnS_3 using the chemical bath deposition", Revista Latinoamericana el Ambiente y las Ciencias 10(26) (2019) 53-66. ISSN: 2007-512X, Mexico.

23. G. Santamaría-Juárez, E. Gómez-Barojas, **E. Quiroga-González**, E. Sánchez-Mora, M. Quintana-Ruiz, J. D. Santamaría-Juárez "Safer modified Hummers' method for the synthesis of graphene oxide with high quality and high yield", Mater. Res. Express 6 (2019) 125631. Online ISSN: 2053-1591. DOI: 10.1088/2053-1591/ab4cbf

24. G. Santamaría-Juárez, E. Gómez-Barojas, **E. Quiroga-González**, E. Sánchez-Mora, J. D. Santamaría-Juárez "Preparation and Characterization of Reduced Graphene Oxide/Titanium Dioxide Composites by Hydrothermal Method", European Journal of Engineering Research and Science 4(9) (2019) 165–173. Online ISSN: 2506-8016. DOI: 10.24018/ejers.2019.4.9.1364

25. A. Garzon-Roman, C. Zúñiga-Islas, **E. Quiroga-González,** "Modulation of morphology and optical characteristics of TiO_2 grown into porous silicon by an easy approach", J. Mater. Sci. Mater. Electron. 30 (2019) 21503–21513. Online ISSN: 1573-482X. DOI: 10.1007/s10854-019-02540-1

26. H. Lühmann, **E. Quiroga-González**, L. Kienle, V. Duppel, G. Neubüser, W. Bensch, "Exploring the Cu-In-S System under Solvothermal Conditions near the Composition $CuIn_5S_8$", Z. Anorg. Allg. Chem. 645 (2019) 198–206. Online Germany. ISSN: 1521-3749. DOI: 10.1002/zaac.201800421

27. O. Pérez-Díaz, **E. Quiroga-González**, S. Hansen, N. R. Silva-González, J. Carstensen, R. Adelung, "Fabrication of silicon microwires by a combination of chemical etching steps and their analysis as anode material in Li-ion batteries", Mater. Technol., 34(13) (2019) 785-791. Online ISSN: 1753-5557. Great Britain, DOI: 10.1080/10667857.2019.1629059

28. O. Pérez-Díaz, **E. Quiroga-González**, N. R. Silva-González, "Silicon microstructures through the production of silicon nanowires by metal-assisted chemical etching, used as sacrificial material", J. Mater. Sci., 54 (2019) 2351-2357. ISSN: 0022-2461. Germany, DOI: 10.1007/s10853-018-3003-z

29. **E. Quiroga-González**, M. A. Juárez-Estrada, E. Gómez-Barojas, "Light Enhanced Metal Assisted Chemical Etching of Silicon", ECS Transactions, 86(1) (2018) 55-63. United States, ISSN: 1938-5862. DOI: 10.1149/08601.0055ecst

30. **E. Quiroga-González**, S. Hansen, "Si Microwire Anode with Enhanced Conductivity through Decoration with Cu Nanoparticles", Journal of Materials Science Research and Reviews, 1(2) (2018) 1-6. India, DOI: 10.9734/JMSRR/2018/43485

31. J. Alarcón-Salazar, M.A. Vásquez-Agustín, **E. Quiroga-González**, I.E. Zaldívar-Huerta, M. Aceves-Mijares, “Comparison of light emitting capacitors with textured and polished silicon substrates towards the understanding of the emission mechanisms”, Journal of Luminescence, 203 (2018) 646–654. ISSN: 0022-2313. Netherlands, DOI: 10.1016/j.jlumin.2018.06.060

32. **E. Quiroga-González**, J. A. Arzola Flores, E. Soto Eguibar, A. M. Ortega Ramírez, O. González Petlacalco, “Fabrication and testing of multielectrode matrix of disordered Si nanowires for brain tissue sensing”, *IEEE proceedings of 40th International Conference of the IEEE Engineering in Medicine and Biology Society*, Hawaii, United States, July 17-21, 2018. pp. 6084-6087. ISBN: 978-1-5386-3646-6.

33. S. Hansen, **E. Quiroga-González**, J. Carstensen, R. Adelung, H. Föll, “Size-dependent physicochemical and mechanical interactions in battery paste anodes of Si-microwires revealed by Fast-Fourier-Transform Impedance Spectroscopy", *J. Power Sourc.,* 349 (2017) 1-10. ISSN: 0378-7753.

34. G. Santamaría-Juárez, E. Gómez-Barojas, **E. Quiroga-González**, E. Sánchez-Mora, J. A. Luna-López, "Oxidized porous silicon as a non-interfering support for luminescent dyes", *Mesoporous Biomater*. 3 (2016) 61–66. DOI: 10.1515/mesbi-2016-0008. ISSN: 2300-2271.

35. G. Palestino, S. Rosales-Mendoza, M. E. Calixto-Rodriguez, **E. Quiroga-González**, "Functional mesoporous materials", *Mesoporous Biomater*. 3 (2016) 49–50. DOI: 10.1515/mesbi-2016-0006. ISSN: 2300-2271.

36. S. Nöhren, **E. Quiroga-González**, J. Carstensen, H. Föll, " Size-dependent cyclic voltammetry study of silicon microwire anodes for lithium ion batteries", *Electrochim. Acta,* 217 (2016) 283-291. ISSN: 0013-4686. DOI: 10.1016/j.electacta.2016.09.088

37. S. Nöhren, **E. Quiroga-González**, J. Carstensen, H. Föll, "Electrochemical Fabrication and Characterization of Silicon Microwire Anodes for Li Ion Batteries", *J. Electrochem. Soc.* 163(3) (2016) A373-A379. ISSN: 1945-7111.

38. J. Alarcón-Salazar, R. López-Estopier, **E. Quiroga-González**, A. Morales-Sánchez, J. Pedraza-Chávez, I. E. Zaldívar-Huerta and M. Aceves-Mijares, "Chapter 7: Silicon-Rich Oxide Obtained by Low-Pressure Chemical Vapor Deposition to Develop Silicon Light Sources", in Chemical Vapor Deposition - Recent Advances and Applications in Optical, Solar Cells and Solid State Devices. Sudheer Neralla (Ed.), InTech (2016) pp. 159-181. ISBN 978-953-51-2573-0, Print ISBN 978-953-51-2572-3, Published: August 31, 2016. http://dx.doi.org/10.5772/63012

39. J. Alarcón-Salazar, M. A. Vázquez-Agustín, **E. Quiroga-González**, I. E. Zaldívar-Huerta, M. Aceves-Mijares, “Analysis of Light Emitters SRO-based to be Integrated on all-silicon Optoelectronic Circuits”. *IEEE Proceedings*, 2016 12th Conference on Ph.D. Research in Microelectronics and Electronics (PRIME), Lisbon, Portugal, 27-30 June, 2016.

40. **Enrique Quiroga-González**, Helmut Föll, book chapter "Chapter 2: Fundamentals of Silicon Porosification via Electrochemical Etching", in "Porous Silicon: Formation and Properties, Volume 1", editor Ghenadii Korotcenkov, CRC Press (Taylor & Francis group). November 5, 2015. ISBN: 9781482264548.

41. S. Nöhren, **E. Quiroga-González**, H. Föll, "Dependence of the Lithiation/Delithiation Potentials of Silicon Microwire Anodes on Their State of Charge and Sizes", *ECS Trans.* 64(23) (2015) 6-10. DOI: 10.1149/06423.0001ecst. ISSN: 1938-5862.

42. S. Nöhren, **E. Quiroga-González**, J. Carstensen, H. Föll, "Fabrication and Characterization of Silicon Microwire Anodes by Electrochemical Etching Techniques", *ECS Trans.* 66(6) (2015) 27-38. DOI: 10.1149/06606.0027ecst. ISSN: 1938-5862. (Invited)

43. O. Tobail, **E. Quiroga-González**, J. Carstensen, H. Föll, "Enhancement of Cu filling into p-type macroporous silicon by pore wall thinning, oxide deposition and back side illumination", *J. Electrochem. Soc.* 161 (2014) D1-D6. DOI: 10.1149/2.0341412jes. ISSN: 1945-7111.

44. **E. Quiroga-González**, J. Carstensen, H. Föll, "Scalable processing and capacity of Si microwire array anodes for Li ion batteries", *Nanoscale Res. Lett.* 9 (2014) 417. ISSN: 1556-276X.

45. **E. Quiroga-González**, J. Carstensen, C. Glynn, C. O'Dwyer, H. Föll, " Pore size modulation in electrochemically etched macroporous p-type silicon monitored by FFT impedance spectroscopy and Raman scattering", *Phys. Chem. Chem. Phys.* 16 (2014) 255-263. ISSN: 1463-9076.

46. M. Hagen**, E. Quiroga-González**, S. Dörfler, G. Fahrer, J. Tübke, M. J. Hoffmann, H. Althues, R. Speck, M. Krampfert, S. Kaskel, H. Föll, "Studies on preventing Li dendrite formation in Li-S batteries by using pre-lithiated Si microwire anodes", *J. Power Sourc.* 248 (2014) 1058-1066. ISSN: 0378-7753.

47. **E. Quiroga-González**, J. Carstensen, H. Föll, "Optimal conditions for fast charging and long cycling stability of silicon microwire anodes for lithium ion batteries, and comparison with the performance of other Si anode concepts", *Energies* 6(10) (2013) 5145-5156. ISSN: 1996-1073.

48. C. Glynn, M. Osiak, W. McSweeney, O. Lotty, K. Jones, H. Geaney, **E. Quiroga-González**, J. D. Holmes, C. O'Dwyer, "Semiconductor nanostructures for antireflection coatings, transparent contacts, junctionless thermoelectrics and Li-Ion batteries," *ECS Trans.* 53(6) (2013) 25-44. ISSN: 1938-5862.

49. H. Föll, **E. Quiroga-González**, E. Ossei-Wusu, J. Carstensen, M. Amirmaleki, "Making and using macroporous p-type silicon with modulated pore diameters," *2nd International Conference on Nanotechnologies and Biomedical Engineering*, Chişinău, Republic of Moldova, April 18-20, 2013.

50. E. Ossei-Wusu, J. Carstensen, **E. Quiroga-González**, M. Amirmaleki, and H. Föll, "The role of polyethylene glycol in pore diameter modulation in depth in p-type silicon", *ECS J. Solid State Sci. Technol.* 2(6) (2013) P243-P247. ISSN: 2162-8777.

51. **E. Quiroga-González**, J. Carstensen, H. Föll, "Structural and electrochemical investigation during the first charging cycles of silicon microwire array anodes for high capacity lithium ion batteries", *Materials* 6(2) (2013) 626-636. ISSN: 1996-1944.

52. **E. Quiroga-González**, J. Carstensen, H. Föll, "Good cycling performance of high-density arrays of Si microwires as anodes for Li ion batteries," *Electrochim. Acta* 101 (2013) 93-98. ISSN: 0013-4686.

53. M.-D. Gerngross, **E. Quiroga-González**, J. Carstensen, H. Föll, "Single-crystalline porous indium phosphide as novel anode material for Li-ion batteries," *J. Electrochem. Soc*. 159(12) (2012) A1941-A1948. ISSN: 1945-7111.

54. **E. Quiroga-González**, W. Bensch, M. Aceves-Mijares, Z. Yu, "Activation of photoluminescence of multilayer arrays of silicon rich oxide by oxidation at different temperatures," *Phys. Procedia*. 32(1) (2012) 88-94. ISSN: 1875-3892.

55. **E. Quiroga-González**, E. Ossei-Wusu, J. Carstensen, H. Föll, "How to Make Optimized Arrays of Si Wires Suitable as Superior Anode for Li-ion Batteries," *J. Electrochem. Soc*. 158(11) (2011) E119-E123. ISSN: 1945-7111. DOI: 10.1149/2.069111jes

56. **E. Quiroga-González**, W. Bensch, M. Aceves-Mijares, Z. Yu, R. López-Estopier, K. Monfil-Leyva, "On the photoluminescence of multilayer arrays of silicon rich oxide with high silicon content prepared by low pressure chemical vapor deposition," *Thin Solid Films* 519(22) (2011) 8030–8036. ISSN: 0040-6090.

57. B. Seidlhofer, V. Spetzler, **E. Quiroga-Gonzalez**, C. Näther, W. Bensch, "New Thioantimonates(III) with Different Sb:S Ratios: Solvothermal Syntheses and Crystal Structures of $[(C_3H_{10}NO)(C_3H_{10}N)][Sb_8S_{13}]$, $[(C_2H_8NO)(C_2H_8N)(CH_5N)]$ $[Sb_8S_{13}]$, $[(C_6H_{16}N_2)(C_6H_{14}N_2)][Sb_6S_{10}]$, and $[C_8H_{22}N_2][Sb_4S_7]$," *Z. Anorg. Allg. Chem*. 637(10) (2011) 1295–1303. DOI: 10.1002/zaac.201100204. ISSN: 1521-3749.

58. H. Föll, J. Carstensen, E. Ossei-Wusu, A. Cojocaru, **E. Quiroga-González**, G. Neumann, "Optimized Cu-Contacted Si Nanowire Anodes for Li Ion Batteries Made in a Production Near Process," *J. Electrochem. Soc*. 158(5) (2011) A580-A584. ISSN: 1945-7111.

59. **E. Quiroga-González**, L. Kienle, C. Näther, V.S.K. Chakravadhanula, W. Bensch, "Zero- and one-dimensional thioindates synthesized under solvothermal conditions yielding α-In_2S_3 or $MgIn_2S_4$ as thermal decomposition products," *J. Solid State Chem*. 183(12) (2010), 2805-2812. DOI: 10.1016/j.jssc.2010.09.024. ISSN: 0022-4596.

60. W. Bensch, **E. Quiroga-González**, L. Kienle, D. K. Lee, J. Janek, "In-$CuInS_2$ nanocomposite film prepared by Pulsed Laser Deposition using a single source precursor," *Solid State Sci*. 12(12) (2010), 1953-1959. ISSN: 1293-2558.

61. **E. Quiroga-González**, L. Kienle, V. Duppel, W. Bensch, "Transmission Electron Microscopy study of Cu-containing spinel-type In_2S_3 nanocrystals prepared by rapid pyrolysis of a single molecular precursor," *Z. Anorg. Allg. Chem.* 636(13-14) (2010), 2413-2421. ISSN: 1521-3749.

62. **E. Quiroga-González**, Christian Näther, Wolfgang Bensch, "The thioantimonate anion $[Sb_4S_8]^{4-}$ acting as a tetradentate ligand: solvothermal synthesis, crystal structure and properties of $\{[In(C_6H_{14}N_2)_2]_2Sb_4S_8\}Cl_2$ exhibiting unusual biaxial negative and uniaxial positive thermal expansion," *Solid State Sci*. 12(7) (2010), 1235-1241. ISSN: 1293-2558.

63. R. Kiebach, A. Morales, K. Monfil, Z. Yu, **E. Quiroga**, M. Aceves-Mijares, "Synthesis of light emitting SiO_x layers with calculable optical properties – a first step to controlled integration of photoluminescente active compounds in silicon based devices," *Smart Nanocomposites*. 1(1) (2010) 41-54. ISSN: 1949-4823.

64. **E. Quiroga-González**, C. Näther, W. Bensch, "Solvothermal synthesis, crystal structure and properties of $[Mg(en)_3][Sb_4S_7]$ - the first thioantimonate(III) containing a main

group complex cation as structure director," *Z. Naturforsch*. 64b(11/12) (2009), 1312-1318. DOI: 10.1515/znb-2009-11-1209. ISSN: 0932-0776.

65. **E. Quiroga**, W. Bensch, M. Aceves, Z. Yu, J. P. Savy, M. Haeckel, A. Lechner, "Silicon Rich Oxide with controlled mean size of silicon nanocrystals by deposition in multilayers," *IEEE proceedings of 10th International Conference on Ultimate Integration of Silicon*, Aachen, Germany, March 18-20, 2009. pp. 349-352. DOI: 10.1109/ULIS.2009.4897607. ISBN: 978-1-4244-3705-4.

66. **E. Quiroga**, W. Bensch, Z. Yu, M. Aceves, R. A. De Souza, M. Martin, V. Zaporojtchenko, F. Faupel, "Structural characteristics of a multilayer of Silicon Rich Oxide (SRO) with high Si content prepared by LPCVD," *Phys. Stat. Sol. (a)*. 206(2) (2009) 263-269. DOI: 10.1002/pssa.200824365. ISSN: 1862-6319.

67. Z. Yu, M. Aceves-Mijares, **E. Quiroga**, R. Lopez-Estopier, J. Carrillo, C. Falcony, "Structural and optical properties of Si/SiO_2 superlattices prepared by low pressure chemical vapor deposition," *J. Appl. Phys*. 100 (2006), 013524. DOI: 10.1063/1.2210667.

68. Z. Yu, M. Aceves, A. Luna-López, **E. Quiroga**, R. Lopez-Estopier, "Photoluminescence and single electron effect of nanosized silicon materials", B. M. Caruta, Focus in Nanomaterials Research, Nova Science Publishers, Inc., NY, USA. 2006. pp. 233-273. ISBN: 1-59454-897-8.

69. **E. Quiroga**, Z. Yu, M. Aceves, "Charging/discharging effects in c-Si/SiO_2 superlattice prepared by LPCVD," *IEEE proceedings of ICEEE-CIE 2005 Conference*, México City, September 7-9, 2005. pp. 219-222.

FINANCED PROJECTS

1. "STROM: AlkaSuSi (Alkaline metal, sulfur and silicon)". BMBF – Bundes Ministerium für Bildung und Forschung. May 2011 - April 2014.
2. "Study of composites of the Cu-In-S system synthesized by the solvothermal method for photovoltaic applications". VIEP Project 2014 (Institutional funding). January 2014 - December 2014.
3. "Economic synthesis of compounds of the Cu-Sn-S system for photovoltaic applications". VIEP Project 2015 (Institutional funding). January 2015 - December 2015.
4. "Economic synthesis of compounds of the Cu-Sn-S system for photovoltaic applications (part 2)". VIEP Project 2016 (Institutional funding). January 2016 - December 2016.
5. "Fabrication and study of silicon-based anodes, for application in high capacity Li ion batteries". PROMEP Project, for the incorporation of new professors. December 2014 - May 2016.
6. "Self assembly of particles in micrometric rings for etching and luminescent applications". VIEP Project 2017 (Institutional funding). January 2017 - December 2017.
7. "Si microwires covered by a SiO_2 permeable layer, as anodes of Li ion batteries". CONACyT – Basic Science, call 2/2014. May 2015 - July 2018.