CURRICULUM VITAE

PERSONAL DETAILS

Name	: Assoc. Prof. Dr. Yusran Sulaiman
Faculty	: Science
Department	: Chemistry
E-mail	: yusran@upm.edu.my
Tel (office)	: 03 - 9769 6779
Specialization	: Electroanalytical Chemistry and Materials Chemistry
Research Interest	: Electrochemical sensors, energy storage, energy conversion, electrochromic, nanomaterials
H-index/Citation	: Scopus (H-index 21, citation 1400)
	: Google Scholar (H-index 23, citation 1680)

TEACHING EXPERIENCE

CHM3401 Analytical Chemistry
CHM4102 Electrochemistry
CHM3100 Basic Physical Chemistry
CHM3101 Physical Chemistry
CHM2000 General Chemistry
CHM3010 Physical and Inorganic Chemistry
CHM 5901 Research Methodology
FSA4001 Quality Management System in Science

PUBLICATIONS

1. Dharshini Mohanadas, Nur Izatul Amira Zainudin and **Yusran Sulaiman*** (2022). A copper-based metal-organic framework/tungsten trioxide with improved coloration efficiency for electrochromic application. *Chemical Engineering Journal*. 130989 (**IF = 10.652**) Q1

2. Dharshini Mohanadas, Muhammad Amirul Aizat Mohd Abdah, Nur Hawa Nabilah Azman, Thahira B.S.A. Ravoof and **Yusran Sulaiman*** (2021) Facile synthesis of PEDOT-rGO/HKUST-1 for high performance symmetrical supercapacitor device. *Scientific Reports*. 11(1). 1-13 (**IF= 3.998**) Q1

3. Sanjeev Kumar, A. Esokkiya, S. Sudalaimani, C. Sivakumar, **Yusran Sulaiman**, Mohammad Mansoob Khan and K. Giribabu (2021) Ion-pair facilitated non-enzymatic electrochemical sensing of cadaverine and putrescine. *Journal of The Electrochemical Society*. 168(4). 047505. (**IF = 3.721**) Q2

4. Muhammad Norhaffis Mustafa and **Yusran Sulaiman*** (2021) Review on the effect of compact layers and light scattering layers on the enhancement of dye-sensitized solar cells *Solar Energy*. 215. 26-43 (**IF= 4.608**) Q1

5. Muhammad Norhaffis Mustafa and **Yusran Sulaiman*** (2020) Fully flexible dye-sensitized solar cells photoanode modified with titanium dioxide-graphene quantum dot light scattering layer. *Solar Energy*. 212. 332-338 (**IF= 4.674**) Q1

6. Muhammad Norhaffis Mustafa and **Yusran Sulaiman*** (2020) Optimization of titanium dioxide decorated by graphene quantum dot as a light scattering layer for enhanced dye-sensitized solar cell performance. *Journal of Electroanalytical Chemistry*. 876. 114516 (**IF= 3.218**) Q1

7. Nusiba Mohammed Modawe Alshik and **Yusran Sulaiman*** (2020) Ultrasensitive voltammetric determination of benzenediol isomers based on reduced graphene oxide-azo dye decorated with gold nanoparticles. *Ecotoxicology and Environmental Safety*. 203. 11026 (**IF= 4.527**) Q1

8. Fuzi Mohamed Fartas, Jaafar Abdullah, Nor Azah Yusof, **Yusran Sulaiman**, Mohd Izham Saiman (2020) Laccase electrochemical biosensor based on graphene-gold/chitosan nanocomposite film for bisphenol A detection. *Current Analytical Chemistry*. 16(5) 570-579 (**IF= 1.242**) Q4

9. Shalini Kulandaivalu, Nur Hawa Nabilah Azman and **Yusran Sulaiman*** (2020) Advances in Layered Double Hydroxide/Carbon Nanocomposites containing Ni^{2+} and $Co^{2+/3+}$ for Supercapacitors. *Frontiers in Materials*. 7. 147 (**IF= 2.689**) Q2

10. Fowotade Sulayman Akanbi, Nor Azah Yusof, Jaafar Abdullah and **Yusran Sulaiman** (2020) Preliminary investigation of the surface activation of disposable screen printed carbon electrodes synthesized gold nanoparticles. *IOP Conference Series: Materials Science and Engineering*. 805(1) 012006

11. Dharshini Mohanadas, Thahira B.S.A. Ravoof and **Yusran Sulaiman*** (2020) A fast switching electrochromic performance based on poly(3,4-ethylenedioxythiophene)-reduced graphene oxide/metal-organic framework HKUST-1. *Solar Energy Materials & Solar Cells*. 214. 110596 (**IF= 6.019**) Q1

12. Nurul Ain Jalil, Muhammad Amirul Aizat Mohd Abdah, Nur Hawa Nabilah Azman and and **Yusran Sulaiman*** (2020) Polyaniline and manganese oxide decorated on carbon nanofibers as a superior electrode material for supercapacitor. *Journal of Electroanalytical Chemistry*. 867. 114188 (**IF= 3.218**) Q1

13. Abdul Hadi Ismail, Nor Akmar Mohd Yahya, Mohd Hanif Yaacob, Mohd Adzir Mahdi and Yusran Sulaiman **Yusran Sulaiman*** (2020) Gasochromic response of optical sensing platform integrated with polyaniline and poly(3,4-ethylenedioxythiophene) exposed to NH_3 gas. *Polymer.* 192.122313 (**IF= 3.771**) Q1

14. Radha Ravit, Nur Hawa Nabilah Azman, Shalini Kulandaivalu, Jaafar Abdullah, Ishak Ahmad and **Yusran Sulaiman*** (2020) Cauliflower-like poly(3,4-ethylenedioxythipohene)/nanocrystalline cellulose/manganese oxide ternary nanocomposite for supercapacitor. *Journal of Applied Polymer Science*. 137 (39). 49162 (**IF= 2.188**) Q2

15. Shalini Kulandaivalu and **Yusran Sulaiman*** (2020) Rational design of layer-by-layer assembled polypyrrole-based nanocomposite film for high-performance supercapacitor. *Journal of Materials Science: Materials in Electronics*. 31 (6). 4882-4894 (**IF= 2.195**) Q2

16. Shalini Kulandaivalu, Muhammad Naim Mohd Azahari, Nur Hawa Nabilah Azman and **Yusran Sulaiman*** (2020) Ultrahigh specific energy of layer by layer

polypyrrole/graphene oxide/multi-walled carbon nanotube| polypyrrole/manganese oxide composite for supercapacitor. *Journal of Energy Storage*. 28.101219 (**IF = 3.517**) Q2

17. Mohd Hazani Mat Zaid, Jaafar Abdullah, Nor Azah Yusof, Helmi Wasoh, **Yusran Sulaiman**, Mohd Fairulnizal Md Noh and Rahizan (2020) Reduced graphene oxide/TEMPO-nanocellulose nanohybrid based electrochemical biosensor for the determination of mycobacterium tuberculosis. *Journal of Sensors*. 2020. 1-11 (**IF= 2.024**) Q2

18. Nur Hazahsha Shamsudin, Suhaidi Shafie, Mohd Zainal Abidin Ab Kadir, Fauzan Ahmad, Amir Reza Sadrolhosseini, Siti Amaniah Mohd Chachuli and **Yusran Sulaiman** (2020) I-V performance analysis of flexible back illuminated dye sensitized solar cells (DSSCs) with various platinum catalyst contents. *Journal of Physics: Conference Series*. 1432. 012043.

19. Abdul Hadi Ismail, Nor Akmar Mohd Yahya, Mohd Hanif Yaacob, Mohd Adzir Mahdi and Yusran Sulaiman **Yusran Sulaiman**[*] (2020) Optical ammonia gas sensor of poly(3,4-polyethylenedioxythiophene), polyaniline and polypyrrole: A comparative study. *Synthetic Metals*. 260.116294 (**IF= 2.870**) Q2

20. Nur Hazahsha Shamsudin, Suhaidi Shafie, Mohd Zainal Abidin Ab Kadir, Fauzan Ahmad, Amir Reza Sadrolhosseini, **Yusran Sulaiman** and Siti Amaniah Mohd Chachuli (2020) Power conversion Efficiency (PCE) Performance of Back-Illuminated DSSCs with different Pt Catalyst Contents at the Optimized TiO_2 Thickness. *Optik*. 203. 163567 (**IF= 1.914**) Q3

21. Muhammad Norhaffis Mustafa, Suhaidi Shafie, Mohd Haniff Wahid and **Yusran Sulaiman*** (2020) Preparation of TiO_2 compact layer by heat treatment of electrospun TiO_2 composite for dye-sensitized solar cells. *Thin Solid Films*. 693. 137699. (**IF= 1.888**) Q2

22. Muhammad Amirul Aizat Mohd Abdah, Nur Hawa Nabilah Azman, Shalini Kulandaivalu and **Yusran Sulaiman**[*] (2020) Review of the use of transition-metal-oxide and conducting polymer-based fibres for high-performance supercapacitors. *Materials and Design*. 186. 108199 (**IF= 5.770**) Q1

23. Shalini Kulandaivalu, Mohd Zobir Hussein, Adila Mohamad Jaafar, Muhammad Amirul Aizat Mohd Abdah, Nur Hawa Nabilah Azman and **Yusran Sulaiman**[*] (2019) A simple strategy to prepare layer-by-layer assembled composite of Ni-Co LDH on polypyrrole/rGO for a high specific capacitance supercapacitor. *RSC Advances*. 9. 40478 - 40486 (**IF= 2.936**) Q2

24. Muhammad Amirul Aizat Mohd Abdah, Nur Hawa Nabilah, Shalini Kulandaivalu Norizah Abdul Rahman and **Yusran Sulaiman*** (2019) Asymmetric supercapacitor of functionalised electrospun carbon fibers/poly(3,4-ethylenedioxythiophene)/manganese oxide//activated carbon with superior electrochemical performance**.** *Scientific Reports*. 9. 16782 (**IF= 4.122**) Q1

25. Muhammad Amirul Aizat Mohd Abdah, Nur Hawa Nabilah Azman, Shalini Kulandaivalu, Norizah Abdul Rahman, Abdul Halim Abdullah and **Yusran Sulaiman**[*] (2019) Potentiostatic deposition of poly(3, 4-ethylenedioxythiophene) and manganese oxide on porous functionalised carbon fibers as advanced electrode for asymmetric supercapacitor. *Journal of Power Sources*. 444. 227324-227335 (**IF= 6.945**) Q1

26. Muhammad Norhaffis Mustafa, Suhaidi Shafie, Mohd Haniff Wahid and **Yusran Sulaiman*** (2019) Light scattering effect of polyvinyl-alcohol/titanium dioxide nanofibers in the dye-sensitized solar cell. *Scientific Reports*. 9. 14952 (**IF= 4.122**) Q1

27. Muhammad Norhaffis Mustafa, Suhaidi Shafie, Mohd Haniff Wahid and **Yusran Sulaiman*** (2019) Optimization of power conversion efficiency of polyvinyl-alcohol/titanium dioxide as light scattering layer in DSSC using response surface methodology/central composite design. *Results in Physics*. 15. 102559 (**IF= 2.147**) Q2

28. Nivekthiren Dasdevan, Muhammad Amirul Aizat Mohd Abdah and **Yusran Sulaiman*** (2019) Facile electrodeposition of poly(3,4-ethylenedioxythiophene) on poly(vinyl alcohol) nanofibers as positive electrode for high-performance asymmetric supercapacitor. *Energies.* 12(17). 3382 (**IF= 2.676**) Q2

29. Wan Nor Azwani Wan Khalit, Muhammad Norhaffis Mustafa and **Yusran Sulaiman*** (2019) Synergistic effect of poly(3,4-ethylenedioxythiophene), reduced graphene oxide and aluminium oxide) as counter electrode in dye-sensitized solar cell. *Results in Physics.* 13. 102355 (**IF= 2.147**) Q2

30. Shalini Kulandaivalu and **Yusran Sulaiman*** (2019) Recent Advances in Layer-by-Layer Assembled Conducting Polymer based Composites for Supercapacitors. *Energies.* 12(11) 2107 (**IF= 2.676**) Q2

31. Nusiba Mohammed Modawe Alshik, Jaafar Abdullah, Sazlinda Kamaruzaman, and **Yusran Sulaiman*** (2019) Ultrasensitive reduced graphene oxide-poly(Procion)/gold nanoparticles modified glassy carbon electrode for selective and simultaneous determination of ascorbic acid, dopamine, and uric acid. *Journal of The Electrochemical Society*. 100 (8) (**IF= 3.662**) Q1

32. Dharshini Mohanadas, Nurulkhalilah Tukimin and **Yusran Sulaiman*** (2019) Simultaneous electrochemical detection of hydroquinone and catechol based on poly(3,4-ethylenedioxythiophene)/reduced graphene oxide/manganese modified electrode. *Synthetic Metal.* 252. 76-81 (**IF= 2.562**) Q2

33. Nusiba Mohammed Modawe Alshik, Jaafar Abdullah, Sazlinda Kamaruzaman and **Yusran Sulaiman*** (2019) Voltammetric determination of hydroquinone, catechol, and resorcinol by using a glassy carbon electrode modified with electrochemically reduced graphene oxide-poly (Eriochrome Black T) and gold nanoparticles. *Microchimica Acta*. 186 (4). 261 (**IF= 5.075**) Q1

34. Nur Amilah Fadlina Basri, Muhammad Norhaffis Mustafa and **Yusran Sulaiman*** (2019) Facile fabrication of PVA nanofiber coated with PEDOT as a counter electrodes for dye-sensitized solar cell. *Journal of Materials Science: Materials in Electronics*. 30(9). 8705-8711 (**IF= 2.324**) Q2

35. Muhammad Norhaffis Mustafa, Suhaidi Shafie, Mohd Haniff Wahid and **Yusran Sulaiman*** (2019) Optimization of power conversion efficiency of polyvinyl-alcohol/titanium dioxide compact layer using response surface methodology/central composite design. *Solar Energy*. 183. 689-696 (**IF= 4.374**) Q1

36. Fowotade Sulayman Akanbi, Nor Azah Yusof, Jaafar Abdullah, **Yusran Sulaiman** and Siti Fatimah Abd Rahman (2019) Enhanced electrochemical sensing of secondary

metabolites in oil palms for early detection of Ganoderma Boninense based on novel gold nanoparticle-chitosan functionalized multi-walled carbon nanotube platform. *Sensing and Bio-Sensing Research.* 23. 100274

37. Shalini Kulandaivalu, Nadhrah Suhaimi and **Yusran Sulaiman**[*] (2019) Unveiling high specific energy supercapacitor from layer-by-layer assembled polypyrrole/graphene oxide with polypyrrole/manganese oxide electrode material. *Scientific Reports*. 9. 4884 (**IF= 4.122**) Q1

38. Muhammad Amirul Aizat Mohd Abdah, Norizah Abdul Rahman and **Yusran Sulaiman*** (2019) Ternary functionalised carbon nanofiber/polypyrrole/manganese oxide as high specific energy electrode for supercapacitor. *Ceramics International*. 45(7). 8433-8439 (**IF= 3.057**) Q1

39. Beng Meng Chong, Nur Hawa Nabilah Azman, Muhammad Amirul Aizat Mohd Abdah and **Yusran Sulaiman**[*] (2019) Supercapacitive performance of N-doped graphene/Mn_3O_4/Fe_3O_4 as an electrode material. *Applied Sciences*. 9. 1040 (**IF= 1.689**) Q3

40. Shalini Kulandaivalu and **Yusran Sulaiman**[*] (2019) Designing an advanced electrode of mixed carbon materials layered on polypyrrole/reduced graphene oxide for high specific energy supercapacitor. *Journal of Power Sources*. 419. 181-191 (**IF= 6.945**) Q1

41. Fuzi Mohamed Fartas, Mohd Hazani Mat Zaid, Jaafar Abdullah, Nor Azah Yusof, **Yusran Sulaiman**, Mohd Izham Saiman (2019) Laccase Electrochemical Biosensor Based on Graphene-Gold/ Chitosan Nanocomposite Film for Bisphenol A Detection *Current Analytical Chemistry*. 15. 1-9 (**IF= 1.000**) Q4

42. Nur Hawa Nabilah Azman, **Yusran Sulaiman***, Md Shuhazlly Mamat @ Mat Nazir and Hong Ngee Lim and (2019) Novel poly (3, 4-ethylenedioxythiophene)/reduced graphene oxide incorporated with manganese oxide/iron oxide for supercapacitor device. *Journal of Materials Science: Materials in Electronics*. 30. 1458 – 1467 (**IF= 2.324**) Q2

43. Radha Ravit, Jaafar Abdullah, Ishak Ahmad and **Yusran Sulaiman*** (2019) Electrochemical performance of poly (3, 4-ethylenedioxythipohene)/nanocrystalline cellulose (PEDOT/NCC) film for supercapacitor. *Carbohydrate Polymers*. 203. 128-138 (**IF= 5.158**) Q1

44. Nurul Ain A. Talib, Faridah Salam and **Yusran Sulaiman*** (2018) Development of immunosensor for clenbuterol detection by using poly(3,4-ethylenedioxythiophene)/graphene oxide modified screen printed carbon electrode. *Sensors*. 18 4324 (**IF= 2.677**) Q2

45. Nusiba Mohammed Modawe Alshik, Jaafar Abdullah, Sazlinda Kamaruzaman, Mohd Izham Saiman and **Yusran Sulaiman**[*] (2018) Electrochemical reduced graphene oxide-poly eriochrome black T/gold nanoparticles modified glassy carbon electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. *Arabian Journal of Chemistry*. 11(8). 1301-1312 (**IF= 4.553**) Q1

46. Muhammad Amirul Aizat Mohd Abdah, Nusiba Mohammed Modawe, Shalini Kulandaivalu, Norizah Abdul Rahman and **Yusran Sulaiman**[*] (2018) Supercapacitor with superior electrochemical properties derived from symmetrical manganese oxide-carbon

fiber coated with polypyrrole. *International Journal of Hydrogen Energy*. 43. 17328-17337 (**IF= 3.582**) Q2

47. Suraya Shaban, Suhaidi Shafie, **Yusran Sulaiman**, Fauzan Ahmad, Muhammad Quisar Lokman, Noor Fadzilah M. Sharif (2018) Flexible photoanode on titanium foil for back-illuminated dye sensitized solar cells. IEEE International Conference on Semiconductor Electronics (ICSE) 197-200.

48. Shalini Kulandaivalu, Rosliyan Shukur and **Yusran Sulaiman*** (2018) Improved electrochemical performance of electrochemically designed layered poly(3,4-ethylenedioxythiophene)/graphene oxide with poly(3,4-ethylenedioxythiophene)/nanocrystalline cellulose nanocomposite. *Synthetic Metals*. 245. 24-31 (**IF= 2.435**) Q2

49. Muhammad Amirul Aizat Mohd Abdah, Nurnaili Syahirah Mohd Razali, Lim Pei Teng, Shalini Kulandaivalu and **Yusran Sulaiman*** (2018) One-step potentiostatic electrodeposition of polypyrrole/graphene oxide/multi-walled carbon nanotubes ternary nanocomposite for supercapacitor. *Materials Chemistry and Physics*. 219. 120-128 (**IF= 2.210**) Q2

50. Nurul Asma Samsudin, Zulkarnain Zainal, Hong-Ngee Lim, **Yusran Sulaiman**, Sook Keng Chang, Ying-Chin Lim, and Wardatun Nadrah Mohd Amin (2018) Capacitive Performance of Vertically Aligned Reduced Titania Nanotubes Coated with Mn_2O_3 by Reverse Pulse Electrodeposition. *RSC Advances*. 8. 23040-23047 (**IF= 3.108**) Q2

51. Nurulkhalilah Tukimin, Jaafar Abdullah and **Yusran Sulaiman*** (2018) Electrodeposition of poly(3,4-ethylenedioxythiophene)/reduced graphene oxide/manganese dioxide for simultaneous detection of uric acid, dopamine and ascorbic acid. *Journal of Electroanalytical Chemistry*. 820. 74-81 (**IF= 2.822**) Q2

52. Nur Hawa Nabilah Azman, Hong Ngee Lim, Md Shuhazlly Mamat @ Mat Nazir and **Yusran Sulaiman*** (2018) Synergistic enhancement of ternary poly(3,4-ethylenedioxythipohene)/graphene oxide/manganese oxide composite as a symmetrical electrode for supercapacitors. *Energies.* 11 (6). 1150 (**IF= 2.262**) Q2

53. Nurulkhalilah Tukimin, Jaafar Abdullah and **Yusran Sulaiman*** (2018) Review-Electrochemical detection of uric acid, dopamine and ascorbic acid. *Journal of the Electrochemical Society*. 165 (7). B258-B267(**IF= 3.259**) Q1

54. Nurul Ain A. Talib, Faridah Salam, Nor Azah Yusof, Shahrul Ainliah Alang Ahmad, and **Yusran Sulaiman*** (2018) Enhancing a clenbuterol immunosensor based on poly(3,4-ethylenedioxythiophene)/multi-walled carbon nanotube performance by response surface methodology. *RSC Advances*. 8. 15522 - 15532 (**IF= 3.108**) Q2

55. Nurul Infaza Talalah Ramli, Suraya A Rashid, **Yusran Sulaiman**, Md Shuhazlly Mamat, Syazwan Afif Zobir and Shutesh Krishnan (2018) Incorporation of Iron Oxide into CNT/GNF as high-performance supercapacitor electrode. *Materials Chemistry and Physics*. 212. 318-324 (**IF= 2.084**) Q2

56. Nurul Ain A. Talib, Faridah Salam and **Yusran Sulaiman*** (2018) Development of polyclonal antibody against clenbuterol for immunoassay application. *Molecules*. 23 (4). 789 (**IF= 2.861**) Q2

57. Nur Hawa Nabilah Azman, Md Shuhazlly Mamat @ Mat Nazir, Hong Ngee Lim and **Yusran Sulaiman*** (2018) High-performance symmetrical supercapacitor based on poly(3,4)-ethylenedioxythiophene/graphene oxide/iron oxide ternary composite. *Journal of Materials Science: Materials in Electronics.*29(8). 6916-6923 (**IF= 1.798**) Q2

58. Nur Hawa Nabilah Azman, Md Shuhazlly Mamat @ Mat Nazir, Hong Ngee Lim and **Yusran Sulaiman*** (2018) Graphene-based ternary composites for supercapacitors. *International Journal of Energy Research.* 42. 2104-2116 (**IF= 2.598**) Q2

59. Shariffah Nur Jannah Syed Zainol Abidin, Md. Shuhazlly Mamat, Suraya Abdul Rasyid , Zulkarnain Zainal and **Yusran Sulaiman*** (2018) Electropolymerization of poly(3,4-ethylenedioxythiophene) onto polyvinyl alcohol-graphene quantum dot-cobalt oxide nanofiber composite for high-performance supercapacitor. *Electrochimica Acta*. 261. 548-556 (**IF= 4.803**) Q1

60. Nurul Asma Samsudin, Zulkarnain Zainal, Hong-Ngee Lim, **Yusran Sulaiman**, Sook Keng Chang, Ying-Chin Lim, and Wardatun Nadrah Mohd Amin (2018) Enhancement of capacitive performance in titania nanotubes modified by an electrochemical reduction method. *Journal of Nanomaterials*. 2018. 1-13 (**IF= 1.871**) Q2

61. Muhammad Amirul Aizat Mohd Abdah, Norizah Abdul Rahman and **Yusran Sulaiman*** (2018) Enhancement of electrochemical performance based on symmetrical poly-(3,4-ethylenedioxythiophene) coated polyvinyl alcohol/graphene oxide/manganese oxide microfiber for supercapacitor. *Electrochimica Acta*. 259. 466-473 (**IF= 4.803**) Q1

62. Shariffah Nur Jannah Syed Zainol Abidin, Md. Shuhazlly Mamat, Suraya Abdul Rasyid, Zulkarnain Zainal and **Yusran Sulaiman*** (2018) Fabrication of poly(vinyl alcohol)-graphene quantum dots coated with poly(3,4-ethylenedioxythiophene) for supercapacitor. *Journal of Polymer Science, Part A: Polymer Chemistry*. 56(1). 50-58 (**IF= 2.952**) Q1

63. Fowotade Sulayman Akanbi, Nor Azah Yusof, Jaafar Abdullah and **Yusran Sulaiman** (2018) Fabrication of an electrochemical sensor based on functionalized multi-walled carbon nanotube layer-by-layer framework on modified screen printed carbon electrode for the detection of secondary metabolite in Ganoderma boninense infected oil palm. *Malaysian Journal of Catalysis* 3 (1).

64. Fatimah Syahidah Mohamad, Mohd Hazani Mat Zaid, Jaafar Abdullah, Ruzniza Zawawi, Hong Ngee Lim, **Yusran Sulaiman** and Norizah Abdul Rahman (2017) Synthesis and characterization of polyaniline/graphene composite nanofibers and its application as electrochemical DNA biosensor for detection of Mycobacterium Tuberculosis. *Sensors*. 17 (12). 2789 (**IF= 2.677**) Q2

65. Muhammad Norhaffis Mustafa, Suhaidi Shafie, Zulkarnain Zainal and **Yusran Sulaiman*** (2017) Poly(3,4-ethylenedioxythiophene) doped with various carbon-based materials as counter electrodes for dye sensitized solar cells. *Materials and Design*. 136. 249-257 (**IF= 4.364**) Q1

66. Nor Monica Ahmad, Jaafar Abdullah, Nor Azah Yusof, **Yusran Sulaiman**, Ab Rashid, Ahmad Hazri, Samsulida Abd Rahman, Hussein Hanibah, Nazura Haron (2017) Enhanced Electron Transfer *of* Amperometric Biosensor Based on Cerium Oxide/1-Butyl-3-

Methylimidazolium Nitrate/Tyrosinase Biocomposite Film for the Detection of Phenolic Compounds. *Sensor Letters*. 15 (11) 928-938. Q4

67. **Yusran Sulaiman***, Muhammad Khairul Syafiq Azmi, Muhammad Amirul Aizat Mohd Abdah and Nur Hawa Nabilah Azman (2017) One step electrodeposition of PEDOT/GO/Co_3O_4 ternary nanocomposite for high performance supercapacitor. *Electrochimica Acta*. 253. 581-588 (**IF= 4.798**) Q1

68. Muhammad Norhaffis Mustafa, Suhaidi Shafie, Zulkarnain Zainal and **Yusran Sulaiman*** (2017) A novel Poly(3,4-ethylenedioxythiophene)-graphene oxide/titanium dioxide (PEDOT-GO/TiO_2) composites counter electrode for dye sensitized solar cell. *Journal of Nanomaterials*. 2017. 1-13 (**IF= 1.871**) Q2

69. Nurulkhalilah Tukimin, Jaafar Abdullah and **Yusran Sulaiman*** (2017) Development of a PrGO-Modified electrode for uric acid determination in the presence of ascorbic acid by an electrochemical technique. *Sensors*. 17 (7). 1539 (**IF= 2.033**) Q2

70. Fowotade Sulayman Akanbi, Nor Azah Yusof, Jaafar Abdullah, **Yusran Sulaiman** and Roozbeh Hushiarian (2017) Detection of quinoline in G. boninense-infected plants using functionalized multi-walled carbon nanotubes: A field study. *Sensors*. 17 (7). 1538 (**IF= 2.033**) Q2

71. Fuzi Mohamed Fartas , Jaafar Abdullah , Nor Azah Yusof , **Yusran Sulaiman**, Mohd Izham Saiman (2017) Biosensor based on tyrosinase immobilized on graphene decorated gold nanoparticle/chitosan for phenolic detection in aqueous. *Sensors*. 17(5). 1132 (**IF= 2.033**) Q2

72. Muhammad Nafiu, Jaafar Abdullah, **Yusran Sulaiman** and Hong Ngee Lim (2017) Voltammetric Determination of Nitrophenol using PEDOT Decorated Graphene Oxide as Composite Film. *Int. J. Electrochem. Sci.* 12. 9432-9444 (**IF= 1.469**) Q3

73. Rawaida Liyana Razalli, Mahnaz M. Abdi, Paridah Md Tahir, Amin Moradbak, **Yusran Sulaiman** and Lee Yok Heng (2017) Polyaniline Modified Nanocellulose from Semantan Bamboo by Chemical Polymerization: Preparation and Characterization. *RSC Advances*. 7. 25191-25198 (**IF= 3.289**) Q2

74. Muhammad Nafiu, Jaafar Abdullah, **Yusran Sulaiman** and Hong Ngee Lim (2017) Electrochemical Determination of 3-Nitrophenol with a Reduced Graphene Oxide Modified Screen Printed Carbon Electrode. *Sensor Letters*. 15 (2). 187-195 (**IF= 0.588**) Q4

75. Shariffah Nur Jannah Syed Zainol Abidin, Nur Hawa Nabilah Azman, Shalini Kulandaivalu and **Yusran Sulaiman*** (2017) Poly(3,4-ethylenedioxythiophene) doped carbon materials for high-performance supercapacitor: A comparison study. *Journal of Nanomaterials*. 2017. 1-13 (**IF= 1.758**) Q2

76. Nur Afifah Zubair, Norizah Abdul Rahman, Hong Ngee Lim and **Yusran Sulaiman*** (2017) Production of conductive PEDOT coated PVA-GO composite nanofibers. *Nanoscale Research Letters*. 12 (1). 113-126 (**IF= 2.584**) Q2

77. Muhammad Amirul Aizat Mohd Abdah, Nur Afifah Zubair, Nur Hawa Nabilah Azman and **Yusran Sulaiman*** (2017) Fabrication of PEDOT coated PVA-GO nanofiber for supercapacitor. *Materials Chemistry and Physics*. 192. 161-169 (**IF= 2.101**) Q2

78. Nurul Ain A. Talib, Faridah Salam, Nor Azah Yusof, Shahrul Ainliah Alang Ahmad, and **Yusran Sulaiman*** (2017) Optimization of peak current of poly(3,4-ethylenedioxythiophene)/multi-walled carbon nanotube using response surface methodology/central composite design. *RSC Advances*. 7. 11101-11110 (**IF= 3.289**) Q2

79. Abdul Hadi Ismail, Abdul Halim Abdullah and **Yusran Sulaiman*** (2017) Physical and electrochemical properties of ZnO films fabricated from highly cathodic electrodeposition potentials. *Superlattices and Microstructures*. 103. 171-179 (**IF= 2.117**) Q2

80. Nurul Ain A. Talib, Faridah Salam,Nor Azah Yusof, Shahrul Ainliah Alang Ahmad, and **Yusran Sulaiman*** (2017) Modeling and optimization of electrode modified with poly(3,4-ethylenedioxythiophene)/graphene oxide composite by response surface methodology/Box-Behnken design approach. *Journal of Electroanalytical Chemistry*. 787. 1-10 (**IF= 2.822**) Q2

81. Nurul Infaza Talalah Ramli, Suraya A Rashid, **Yusran Sulaiman**, Md Shuhazlly Mamat, Syazwan Afif Zobir and Shutesh Krishnan (2017) Incorporation of Zinc Oxide into carbon nanotube/graphitic nanofibers nanocomposite as high performance supercapacitor electrode. *Electrochemica Acta*. 228. 259-267 (**IF= 4.803**) Q1

82. Mohd Hazani Mat Zaid, Jaafar Abdullah, Nor Azah Yusof, **Yusran Sulaiman**, Helmi Wasoh, Mohd Fairulnizal Md Nohd, Rahizan Issa (2017) PNA biosensor based on reduced graphene oxide/water soluble quantum dots for the detection of Mycobacterium tuberculosis. *Sensor and Actuators B: Chemical*. 241. 1024-1034 (**IF= 4.758**) Q1

83. Nur Hawa Nabilah Azman, Hong Ngee Lim and **Yusran Sulaiman*** (2016) Influence of concentration and electrodeposition time on the electrochemical supercapacitor performance of poly(3,4-ethylenedioxythiophene)/graphene oxide hybrid material. *Journal of Nanomaterials*. 2016. 1-10 (**IF= 1.758**) Q2

84. Shalini Kulandaivalu, Zulkarnain Zainal and **Yusran Sulaiman*** (2016) Influence of Monomer Concentration on the Morphologies and Electrochemical properties of PEDOT, PANI, and PPy prepared from Aqueous Solution. *International Journal of Polymer Science*. 2016. 1 -12 (**IF= 1.000**) Q3

85. Nafiseh Shams, Hong Ngee Lim, Reza Hajian, Nor Azah Yusof, Jaafar Abdullah, **Yusran Sulaiman**, Izwaharyanie Ibrahim and Nay Ming Huang (2016) Electrochemical sensor based on gold nanoparticles/ethylenediamine-reduced graphene oxide for trace determination of fenitrothion in water. *RSC Advances*. 6. 89430-89439 (**IF= 3.289**) Q1

86. Nurul Infaza Talalah Ramli, Suraya A Rashid, **Yusran Sulaiman**, Md Shuhazlly Mamat, Syazwan Afif Zobir and Shutesh Krishnan (2016) Physicochemical and electrochemical properties of Carbon nanotube/Graphite nanofiber hybrid nanocomposites for supercapacitor. *Journal of Power Sources*. 328. 195-202 (**IF= 6.333**) Q1

87. Nurul Ain A. Talib, Siti Nur Jannah Syed Zainol Abidin, Faridah Salam and **Yusran Sulaiman***(2016) Clenbuterol immunosensors based poly(ethlenedioxythiophene)/ multiwall carbon nanotube (PEDOT/MWCNT) hybrid composite. *Procedia Chemistry*. 20. 29-32.

88. Mohamed A. Eid, Nor A. Yusof, Mohammad Faruq, Jaafar Abdullah and **Yusran Sulaiman** (2016) Quantitative measurement of amoxicillin Ibuprofen tablets using UPLC. *Measurement.* 93. 465-472 (**IF= 1.742**) Q2

89. Nafiseh Shams, Hong Ngee Lim, Reza Hajian, Nor Azah Yusof, Jaafar Abdullah, **Yusran Sulaiman**, Izwaharyanie Ibrahim, Nay Ming Huang and Alagarsamy Pandikumar (2016) A promising electrochemical sensor based on Au nanoparticles decorated reduced graphene oxide for selective detection of herbicide diuron in natural waters. *Journal of Applied Electrochemistry*. 46(6). 655-666 (**IF= 2.223**) Q2

90. Nurul Asma Samsudin, Zulkarnain Zainal, Hong-Ngee Lim, **Yusran Sulaiman** and Sook-Keng Chang (2016) Titania nanotubes synthesised via the electrochemical anodisation method: Synthesis and supercapacitor applications. *Pertanika Journal of Scholarly Research Review*. 2(1). 107-128.

91. Nor Afifah Zubair, Norizah Abdul Rahman, Lim Hong Ngee, Ruzniza Mohd Zawawi and **Yusran Sulaiman*** (2016) Electrochemical properties of PVA-GO/PEDOT nanofibers prepared using electrospinning and electropolymerization techniques. *RSC Advances.* 6. 17720-17727 (**IF= 3.840**) Q1

92. Nur Hawa Nabilah Azman, Lim Hong Ngee and **Yusran Sulaiman*** (2016) Effect of electropolymerization potential on the preparation of PEDOT/graphene oxide hybrid material for supercapacitor application. *Electrochimica Acta.* 188. 785-792 (**IF= 4.504**) Q1

93. Abdul Hadi Ismail, Muhammad Norhaffis Mustafa, Abdul Halim Abdullah, Ruzniza Mohd Zawawi and **Yusran Sulaiman*** (2016) Effect of electropolymerization potential on the properties of PEDOT/ZnO thin film composites. *Journal of The Electrochemical Society*. 163(2). G1-G8 (**IF= 3.266**) Q1

94. Shalini Kulandaivalu, Zulkarnain Zainal and **Yusran Sulaiman*** (2015) A new approach for electrodeposition of poly (3, 4-ethylenedioxythiophene)/polyaniline (PEDOT/PANI) copolymer. *Int. J. Electrochem. Sci.* 10. 8926-8940 (**IF= 1.500**) Q4

95. Chew Ping Chia, Zulkarnain Zainal, **Yusran Sulaiman** and Sook Keng Chang (2015) Effect of duty cycle on pulse electrodeposited tin seleno telluride semiconductor thin film. *Advanced Materials Research*. 1107. 643-648 (**IF= 1.500**) Q3

96. D. Banan, W.T. Tan and **Y. Sulaiman*** (2015) Effect of MgB_2-MWCNT modified glassy carbon electrode on the voltammetric measurements of dopamine. *Asian Journal of Chemistry*. 27. 3993-3997 (**IF = 0.355**) Q4

97. Khayat, H. A., Ibrahim, N. A., **Sulaiman, Y**. and Yunus, W. M. Z. W. (2015) Preparation and characterization of oil palm leaf fiber/polypropylene/epolene® E-43 composite. *BioRes.* 10. 382-401 (**IF = 1.549**) Q1

98. Teo Peik-See, Alagarsamy Pandikumar, Huang Nay-Ming, Lim Hong-Ngee and **Yusran Sulaiman** (2014) Simultaneous electrochemical detection of dopamine and ascorbic acid

using iron oxide/reduced graphene oxide modified glassy carbon electrode. *Sensors*. 14. 15227-15243 (**IF =2.048**) Q3

99. D. Banan, W.T. Tan, **Y. Sulaiman**, M.F. Yusri, M. Zidan and S. Ab Ghani (2013) Electrochemical oxidation of ascorbic acid using MgB_2-MWCNT modified glassy carbon electrode. *Int. J. Electrochem. Sci*. 8. 12519-12530 (**IF = 3.729)** Q2

100. **Y. Sulaiman***, Marc R. Knight and Ritu Kataky (2012) Non-invasive monitoring of temperature stress in *Arabidopsis Thaliana* roots using ion amperometry. *Analytical Methods*. 4. 1656 – 1661 (**IF = 1.547**) Q3

101. **Yusran Sulaiman*** and Ritu Kataky. (2012) Chiral acid selectivity displayed by PEDOT electropolymerised in presence of chiral molecules. *Analyst*. 137(10). 2386-2393 (**IF =4.230**) Q1

102. **Yusran Sulaiman*** and Ritu Kataky (2012) Effect of monomer modifications on the physical properties of electropolymerised PEDOT films. *Journal of The Electrochemical Society*. 159. F1-F9 (**IF= 2.590**) Q1

103. Nor Aziah Buang, Zaiton A. Majid, **Yusran Sulaiman**, Suhaila M. Sanip and Ahmad Fauzi Ismail (2006) Effect of addition of Ni metal catalyst onto the Co and Fe supported catalysts for the formation of carbon nanotubes *Journal of Porous Materials*. 13. 331-334 (**IF = 0.742**) Q2

104. **Yusran Sulaiman***, Nor Aziah Buang, Zaiton A. Majid, Suhaila M. Sanip and Ahmad Fauzi Ismail (2006) Raman and TEM studies of carbon nanotubes produced by bimetallic catalysts system. *Journal of Solid State Science and Technology Letters*. 12. 157-161.

105. Suhaila M. Sanip, **Yusran Sulaiman**, Juliana Dewi, Nor Aziah Buang, Zaiton A. Majid and Ahmad Fauzi Ismail (2005) Surface modification of carbon materials via heat and acid treatment. *Journal of Solid State Science and Technology Letters*. 12. 189-195.

106. **Yusran Sulaiman***, Tee Jia Chee, Nor Aziah Buang, M. Aziz, S. Sanip and A.F. Fauzi. SEM of as-synthesized nano-carbon using different catalysts. (2005) *Journal of Solid State Science and Technology Letters*. 12.115-118.

Book/Chapters in Book

1. Nur Hawa Nabilah Azman and **Yusran Sulaiman** (2020). Hierarchical porous materials for supercapacitors. Elsevier.

2. **Yusran Sulaiman**, Jaafar Abdullah, Ruzniza Mohd Zawawi, Sazlinda Kamaruzaman and Nor Azah Yusof (2017). Introduction to Basic Concepts of Analytical Chemistry.

3. **Yusran Sulaiman**, Nor Aziah Buang, Suhaila M. Sanip and Ahmad Fauzi Ismail. Production of Nano-Carbon Using Arc Discharge in Liquid Nitrogen. *Advances in Fuel Cell Research and Development in Malaysia 2004, edited by Hamdani Saidi, Mohamed Mahmoud Nasef & Inayati, ISBN983-42007-0-6, 195-201.*

4. Suhaila M. Sanip, **Yusran Sulaiman**, Nor Aziah Buang, Madzlan Aziz, Zaiton A. Majid and Ahmad Fauzi Ismail (2004). Surface modification of carbon materials for hydrogen storage. *Advances in Fuel Cell Research and Development in Malaysia 2004, edited by Hamdani Saidi, Mohamed Mahmoud Nasef & Inayati, ISBN983-42007-0-6, 180-187.*

REVIEWER

1. Plastics, rubber and composites (Taylor & Francis)
2. Thin Solid Film (Elsevier)
3. Microchemical Journal (Elsevier)
4. Journal of Electronic Materials (Springer)
5. Colloids and Surfaces A: Physicochemical and Engineering Aspects
6. Ultrasonic Sonochemistry (Elsevier)
7. Carbohydrate Polymers (Elsevier)
8. Chemical Papers (Springer)
9. New Journal of Chemistry (RSC)
10. International Journal of Hydrogen Energy (Elsevier)
11. Diamond and Related Materials (Elsevier)
12. Journal of Energy Storage (Elsevier)
13. Composite Part B: Engineering (Elsevier)
14. Nanoscale (RSC)
15. Journal of Colloid and Interface Science (Elsevier)
16. Microchimica Acta (Springer)
17. Journal of Alloys and Compounds (Elsevier)
18. Journal of The Electrochemical Society
19. Journal of the Chinese Advanced Materials Society (Taylor & Francis)
20. Journal of Energy Chemistry (Elsevier)
21. Materials Science for Energy Technologies (Elsevier)
22. Applied Surface Science (Elsevier)
23. Malaysian Solid State Science and Technology Society
24. Journal of Materials Science: Materials in Electronics (Springer)
25. Journal of Materials Science (Springer)
26. Journal of Electroanalytical Chemistry (Elsevier)
27. Electrochimica Acta (Elsevier)
28. Materials Letters (Elsevier)
29. Biosensors and Bioelectronics (Elsevier)
30. Sains Malaysiana
31. International Journal of Energy Research (Wiley)
32. Journal of Sustainability Science and Management (JSSM)
33. Pertanika
34. Malaysian Journal of Analytical Sciences (MJAS)
35. Journal of the Iranian Chemical Society
36. Journal of Composite Materials
37. International Journal of Nanomaterials Nanotechnology and Nanomedicine
38. Articles Submitted to the 4th International Graduate Conference on Engineering, Science and Humanities
39. Jurnal Teknologi

PROFESSIONAL MEMBERSHIP

1. American Chemical Society (ACS)
2. Royal Society of Chemistry (RSC)
3. Malaysian Analytical Sciences Society (ANALIS)
4. Institut Kimia Malaysia (IKM)