Curriculum Vitae

Rizwan Ur Rehman Sagar

Born in January 20th 1986.
Male, Pakistani Citizen

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1). Education

1) PhD (Materials Science) 2010-2015
   School of Material Science & Engineering,
   Tsinghua University, Beijing, China.
2) Master of Philosophy (MPhil) 2008-2010
   Department of Physics,
   COMSATS, Islamabad, Pakistan.
3) Master of Physics (MSc) 2005-2008
   Department of Physics,
   University of Sargodha, Sargodha, Pakistan.
4) Bachelor of Science (Physics, Maths A & B) 2003-2005
   Punjab University, Lahore, Pakistan

2). Work Experience

Post doctorate 2016-2017
College of Materials Science and Engineering, Shenzhen University, China
Research Title: Fabrication of scalable and tunable oxidized graphene for transparent conducting electrodes application.
Post doctorate 2018-2020
Graduate School at Shenzhen, Tsinghua University, Shenzhen

3). Research interests

1) Fabrication of 2D materials *via* Chemical Vapor Deposition (CVD).
2) Magnetotransport properties of graphene foam (GF)

4). Communications

4.1. Selected Publications

1) **R. U. R. Sagar,** M. Galluzzi, C. Wan, K. Shehzad, S. T. Navale, T. Anwar, R. S. Mane, H. Piao, A. Ali and F. J. Stadler, Large, Linear, and Tunable Positive Magnetoresistance of Mechanically Stable Graphene Foam – Towards High Performance Magnetic Field Sensors, ACS App. Mat. & Interfaces, 9 (2017) 1891- 1898 (SCI, I.F.:7.1).
2) **R. U. R. Sagar,** F. J. Stadler, S. T. Navale, R. S. Mane, A. Nazir, & G. Nabi, Irreconcilable room temperature magnetotransport properties of polypyrrole nanoparticles and nanorods, J. Phy. D: Appl. Phy., 50 (2017) 365002 (SCI, I.F.: 2.7)
3) **R. U. R. Sagar,** A. S. Saleemi, K. Shehzadd, S. T. Navale, R. S. Mane, F. J. Stadlera, Non-magnetic thin films for magnetic field position sensor, Sensors and Actuators A, 254 (2017) 89-94 (SCI, I.F.: 2.2).
4) **R. U. R. Sagar,** M. Namvari, S.T. Navale, F. J. Stadler, Synthesis of scalable and tunable slightly oxidized graphene via Chemical Vapor Deposition, J. Coll. and Int. Science, 490 (2017) 844-849 (SCI, I.F.: 3.7).
5) **R. U. R. Sagar,** Nasir Mahmood, Florian J. Stadler, Tauseef Anwar, Sachin T. Navale, Khurram Shehzad, Bing Du, High Capacity Retension Anode Material for Lithium Ion Battery, Electrochimica Acta, 211 (2016) 156-163 (SCI, I.F.: 4.8).
6) **R. U. R. Sagar**, X. Zhang, C. Xiong,Y. Yu, Semiconducting amorphous carbon thin films for transparent conducting electrodes, Carbon, 76 (2014) 64 (SCI, I.F.: 6.16).
7) **R. U. R. Sagar**, X. Zhang, J. Wang, C. Xiong, Negative magnetoresistance in undoped semiconducting amorphous carbon thin films, J. App. Phy. 115 (2014) 123708 (SCI, I.F.,: 2.2).
8) **R. U. R. Sagar**, A. S. Saleemi, X. Zhang, Angular Magnetoresistance in Semiconducting Undoped Amorphous Carbon Thin Films, J. App. Phy. 117 (2015) 174503 (SCI, I.F.: 2.2).

9) A. Ali, K. Shehzad, F. U. Rehman, S. M. Shah, M. Khurram, M. Mumtaz, **R. U. R Sagar,** ACS App. Mat. & Int., 8 (2016) 25353 (SCI, I.F.: 7.1).
10) A. S. Saleemi, R. U. R. Sagar, R. Singh, Z. Luo, X. Zhang, J. Phy. D: App. Phys., 49 (2016) 415005 (SCI, I.F.: 2.3).
11) S. T. Navale, V. V. Jadvah, K. K. Tehari, **R. U. R. Sagar**, C. S. Biswas, M. Galluzzi, W. Liang, V. B. Patel, R. S. Mane, F. J. Stadler, Sensors and Act. B, 238 (2017) 1102 (SCI, I.F. 5).
12) X. Cui, R. Lv, **R. U. R. Sagar**, C. Liu, Z. Zhang, Electro. Act. 169 (2015) 342 (SCI, I.F.: 4.8).
13) K. Shehzad, Z. M. Dang, M. N. Ahmad, S. Butt, M. U. Farooq, T. B. Wang, **R. U. R. Sagar**, Carbon, 54 (2013) 105 (SCI, I.F.: 6.16).
14) G. Nabi, C. Cao, S. Hussain, W. S. Khan, **R. U. R. Sagar**, Z. Ali, F. K. Butt, Z. Usman, D. Yu, CrysEngComm, 14 (2012) 8492 (SCI, I.F.: 3.85).
15) N. Shah, **R. U. R. Sagar**, W. Mahmood, W. A. A. Syed, J. All. Comp. 512 (2012) 185 (SCI, I.F.: 2.8).
16) S. Butt, Y. Ren, M. U. Farooq, B. Zhan, **R. U. R. Sagar**, Y. Lin, C. W. Nan, Energy Con. Manag., 83 (2014) 35 (SCI, I.F.: 4).
17) Nazir, A. Toma, N. A. Shah, S. Panaro, S. Butt, **R. U. R. Sagar**, W. Raja, K. Rasool, A. Maqsood, J. Alloy. Comp., 609 (2014) 40 (SCI, I.F.: 2.8).

4.2. Conferences

1) Materials Research Society (MRS-April-2017), Phoenix, Arizona, USA.
2) International Innovation Graphene Conference - GrapChina (Sep. 22-24, 2016), Qingdao, China.
3) Nagoya Univ.-Tsinghua Univ. Toyota Motor Corp.-Hokkaido Univ. Joint Symposium, Materials Science and Nanotechnology for 21st Century, Jul. 2014, Hokkaido, Japan.
4) Nanoenergy and Nanosystem (NENS2014), Beijing, China.
5) International Conference on Advance Materials ICAM 2013, Qingdao, China.
6) Recent Progress in Graphene Research (RPGR2012), Beijing, China.

4.3. Awards

1) Research Productivity Award 2014, COMSATS Institute of Information &Technology, Islamabad, Pakistan.
2) Outstanding oral presentation in National Doctoral Academic Forum of UCAS 2014.

4.4. Research Funding

1) National Natural Science Foundation (11850410427)
2) Postdoctoral Science Foundation of China (No. 2016M592531), 中国博士后科学基金面上资助申请书。

5). Skills

5.1. Scientific

1. Thin films deposition by Close Space Sublimation (CSS).
2. Synthesis by Chemical Vapor Deposition.
3. Synthesis by Pulse Laser Deposition (PLD).
4. Electrical Characterization by Physical Property Measurement System (PPMS).
5. Raman Spectroscopy.
6. Scanning Electron Microscopy (SEM).
7. High Resolution Transmission Electron Microscopy (HRTEM),
8. Atomic Force Microscopy (AFM),
9. IR/VIS/UV Absorption.
10. Thermo-gravimetric Analysis
11. Brunauer–Emmett–Teller (BET) study

5.2. Languages

1. Urdu (National Language),
2. Punjabi (Fluent),
3. English (Fluent),
4. Chinese (basics).

6). References

References will be provided on demand.