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Patents Applied (9) Granted (5):

1. A Self-Powered Reusable Protective Smart Mask Equipped with Heating Coil and Breath Monitoring Sensor. **Aniruddha B. Patil**, Ramchandra G. Patil, Chhaya S. Panse, 2020 ***Indian Patent:*** *202021025199/MUM/2020*
2. Synthesis fo biologically active yttrium (III) complexes. **Aniruddha B.Patil**, 2015 ***Indian patent:*** *3909/MUM/2015*
3. Method for the synthesis of palladium nanoparticles using solar energy.**Aniruddha B.Patil**, Krishna M. Deshmukh, Aniruddha B. Pandit, BhalachandraM. Bhanage, 2011, ***Indian patent:*** *1842/MUM/2011*
4. Method for Zinc oxide nanoparticle synthesis using solar Energy.Aniruddha B.Patil, Satish R. Lanke, Aniruddha B. Pandit, BhalachandraM. Bhanage, ***Indian patent: IN 271216 Granted on 09/02/2016***
5. Method for Magnesium oxide nanoparticle synthesis using solar energy.**Aniruddha B.Patil**, KushalD. Bhatte, AniruddhaB. Pandit, BhalachandraM. Bhanage, 2011, ***Indian patent: IN 274322 Granted on 21/07/2016***
6. Natural protein assisted in-situ synthesis of the composites of metal nanoparticles hosted in nitrogen doped porous carbon matrix (MNPs@NPC). **Aniruddha B. Patil**, Zhaohui Meng, Ronghui Wu, Liyun Ma, Wu Qiu, Qiang Liu, Xiang Yang Liu (201910089870.3/2019-01-30) ***Chinese Patent***
7. Strip based body fluids ph sensor. **Aniruddha B. Patil**, Ronghui Wu, Liyun Ma, Zhaohui Meng, Qiang Liu, Xiang Yang Liu (201910089925.0/2019-01-30) ***Chinese Patent- Granted ZL (2019) 1 0089925.0***
8. Metal nanoparticles @n-doped porous carbon assisted uric acid sensor for real time body fluids analysis. **Aniruddha B. Patil**, Liyun Ma, Ronghui Wu, Zhaohui Meng, Qiang Liu, Xiang Yang Liu (201910089886.4/2019-01-30) ***Chinese Patent- Granted* ZL (2019) 1 0089886.4**
9. Fiber based electrochemical body fluids sensor **Aniruddha B. Patil**, Ronghui Wu, Liyun Ma, Xiang Yang Liu (201910089900.0/2019-01-30) ***Chinese Patent Granted ZL (2019) 1 0089900.0***

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