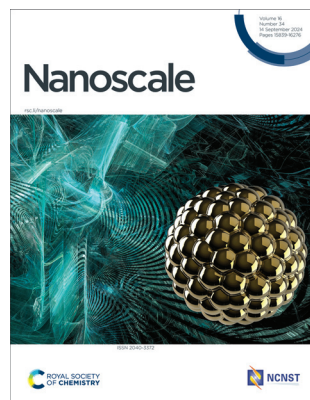


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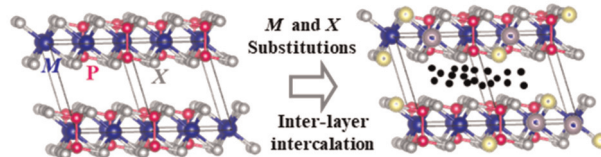
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Shikha Awasthi,* Komal* and Sarvesh Kumar Pandey*



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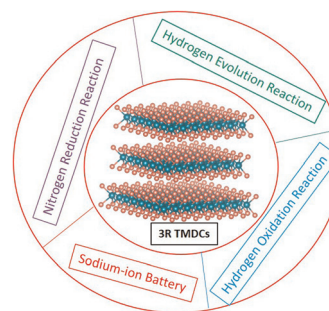
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Elemental answers**

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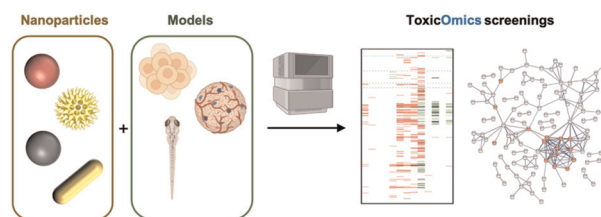
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Assessing inorganic nanoparticle toxicity through omics approaches

Yanchen Li, Christopher Vulpe, Twan Lammers and Roger M. Pallares*

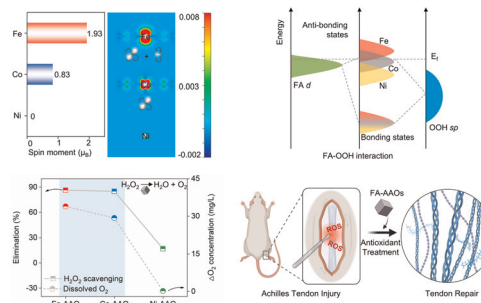


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Highly spontaneous spin polarization engineering of single-atom artificial antioxidantases towards efficient ROS elimination and tissue regeneration

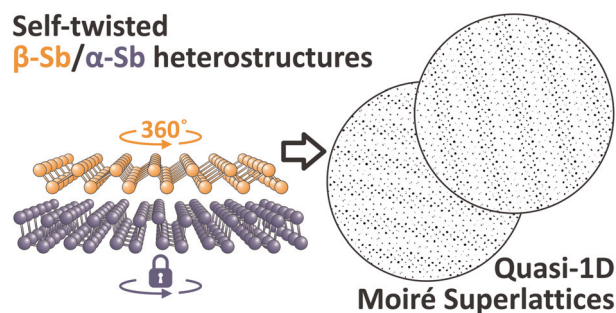
Bihui Zhu, Zhenyang Zhao, Sujiao Cao,* Yimin Sun, Liyun Wang, Songya Huang, Chong Cheng, Lang Ma* and Li Qiu*



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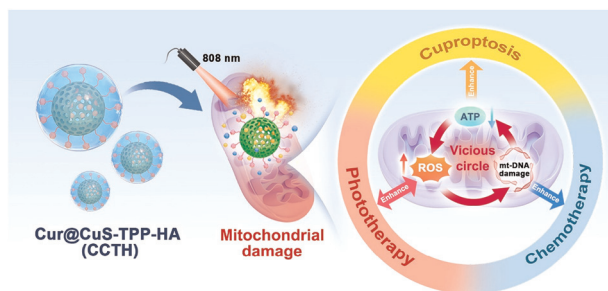
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Piotr Drózdź,* Mariusz Gołębowski and Ryszard Zdyb



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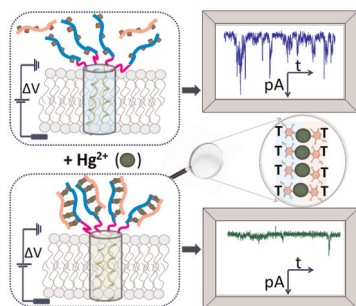
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A copper missile-triggered power coalescence and death vortex within tumor cell mitochondria for synergistic cuproptosis/phototherapy/chemotherapy

Yicheng Jiang, Shuhan He, Niu Xiang, Linghui Duan, Yuxiang Lin, Wenyu Huang, Zhenghong Wu* and Xiaole Qi*

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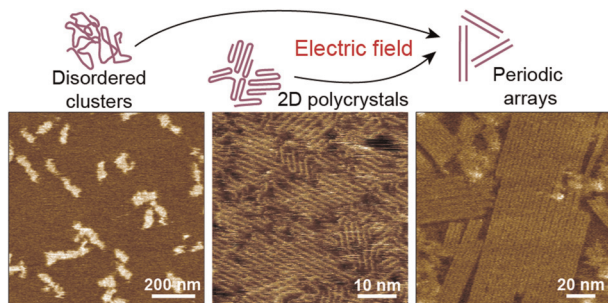


Repurposing an antimicrobial peptide for the development of a dual ion channel/molecular receptor-like platform for metal ion detection

Loredana Mereuta, Jonggwan Park, Yoonkyung Park* and Tudor Luchian*

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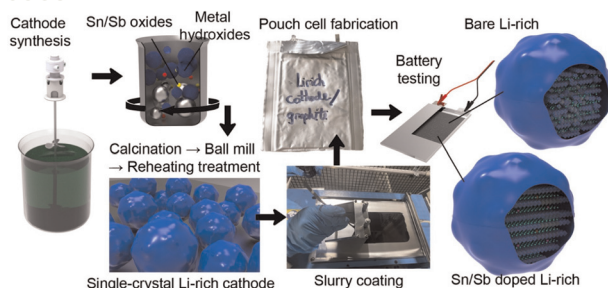
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Molecular-level periodic arrays of long-chain poly(3-hexylthiophene-2,5-diyl) driven by an electric field

Mingze Ma, Jingyi Qian, Ke Jiang, Liyan Wang, Yu Song* and Wenke Zhang*

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Rational design of dual-ion doped cobalt-free Li-rich cathode materials for enhanced cycle stability of lithium-ion pouch cell batteries

Otávio Augusto Tilton Dias,* Farnaz Azarnia, Keerti Rathi, Viktoriya Pakharenko, Vijay K. Tomer and Mohini Sain

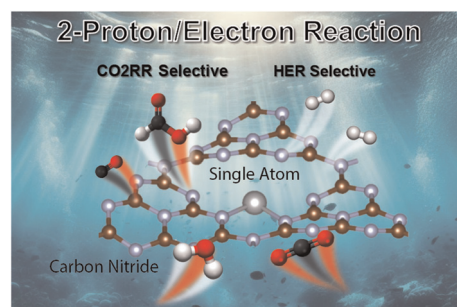


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Mechanistic study of the competition between carbon dioxide reduction and hydrogen evolution reaction and selectivity tuning *via* loading single-atom catalysts on graphitic carbon nitride

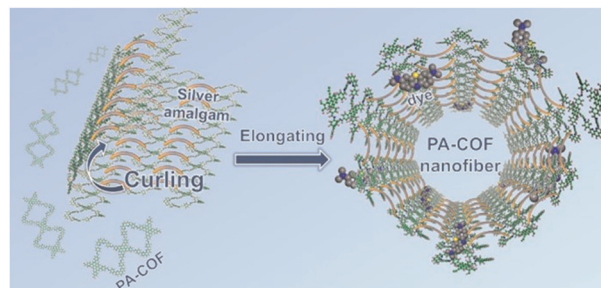
Joel Jie Foo, Sue-Faye Ng, Mo Xiong* and Wee-Jun Ong*



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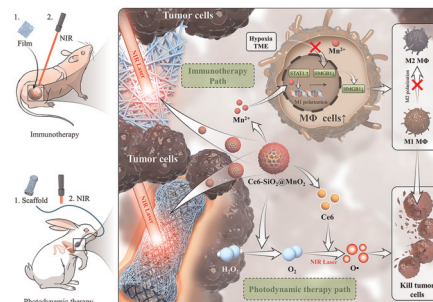
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Macrophage reprogramming combined with enhanced photodynamic therapy increases the patency of malignant esophageal obstruction after stenting

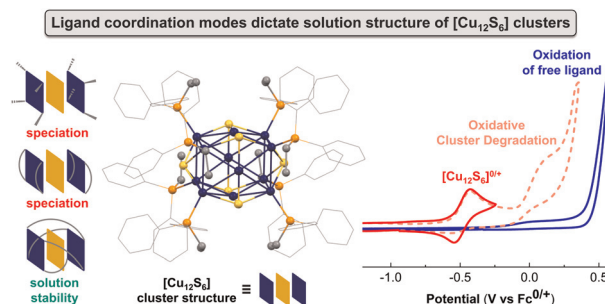
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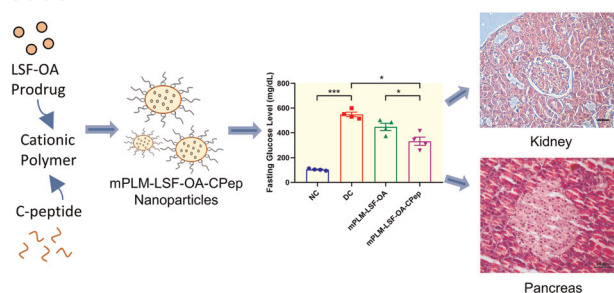
Ditopic ligand effects on solution structure and redox chemistry in discrete $[\text{Cu}_{12}\text{S}_6]$ clusters with labile Cu–S bonds

Michael J. Trenerry and Gwendolyn A. Bailey*



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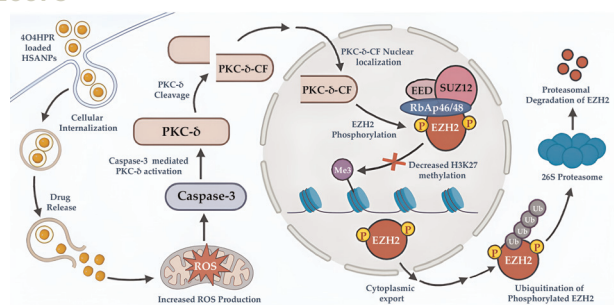
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Restoring physiological parameters of the pancreas and kidney through treatment with a polymeric nano-formulation of C-peptide and lisofylline combination in diabetic nephropathy

Arihant Kumar Singh, Kommera Sai Pradyuth, Deepak Chitkara and Anupama Mittal*

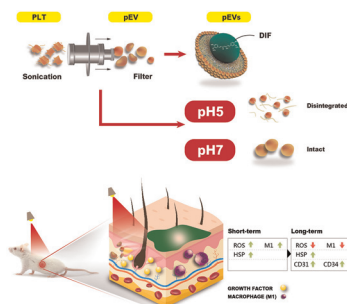
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Encapsulation of 4-oxo-*N*-(4-hydroxyphenyl) retinamide in human serum albumin nanoparticles promotes EZH2 degradation in preclinical neuroblastoma models

Boddu Mrunalini, Atul Dev, Avinash Chandra Kushwaha, Mohammed Nadim Sardoiwala and Surajit Karmakar*

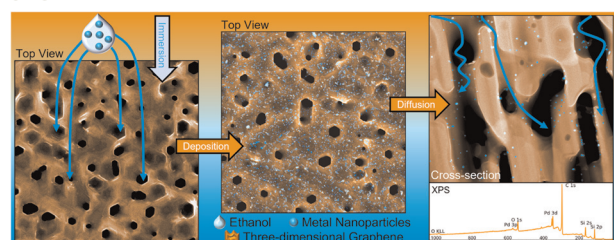
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Sequential management of burn wound healing stages through biointelligence-inspired platelet extracellular vesicle-encapsulated photodynamic diferuloylmethane

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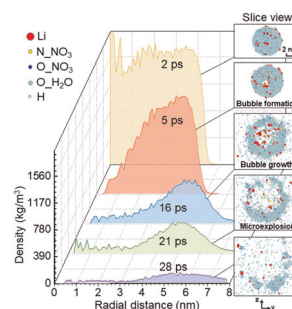


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Mechanisms of microexplosion-accelerated pyrolysis and oxidation of lithium-containing droplets: an atomistic perspective

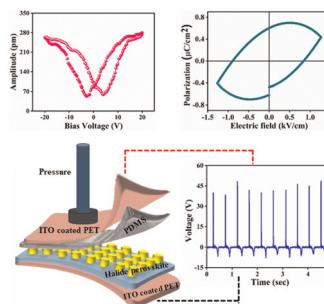
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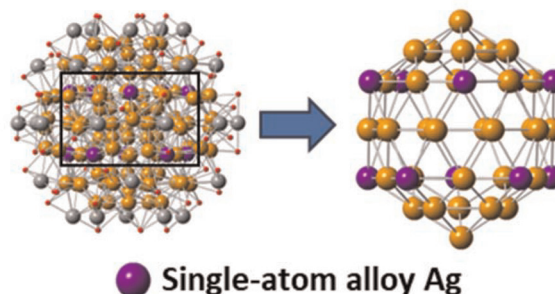
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Single-atom alloy structure and unique bonding properties of $\text{Au}_{104}\text{Ag}_{40}(\text{PET})_{60}$ nanoclusters

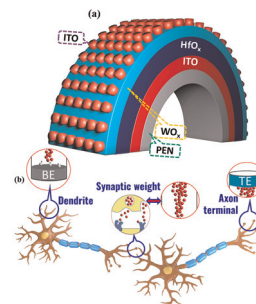
David Morris, Xiangsha Du, Rongchao Jin and Peng Zhang*



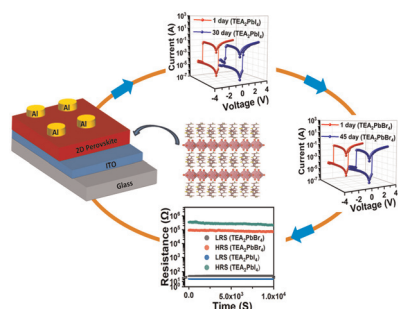
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Harnessing a WO_x -based flexible transparent memristor synapse with a hafnium oxide layer for neuromorphic computing

Debashis Panda,* Yu-Fong Hui and Tseung-Yuen Tseng



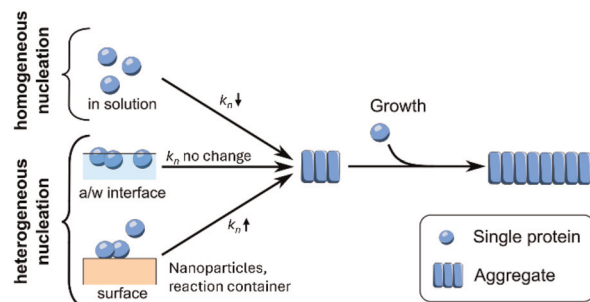
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Milon Kundar, Koushik Gayen, Rajeev Ray, Dushyant Kushavah and Suman Kalyan Pal*

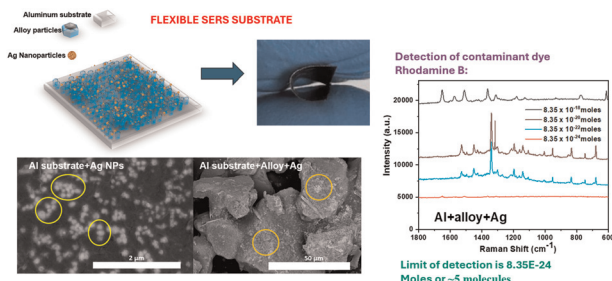
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Alexander J. Dear, Georg Meisl, Christopher G. Taylor, Umberto Capasso Palmiero, Susanne Nordby Stubbe, Qian Liu, Paolo Arosio, Sara Linse, Tuomas P. J. Knowles and Maria Andreassen*

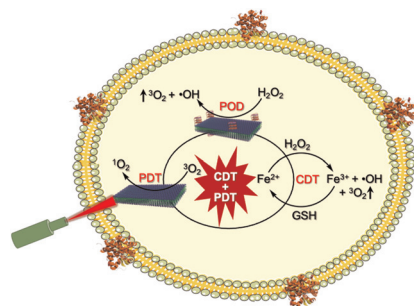
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Effect of NiAl alloy microparticles deposited in flexible SERS substrates on the limit of detection of rhodamine B molecules

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G4-Hemin-loaded 2D nanosheets for combined and targeted chemo-photodynamic cancer therapy

Gowtham Raj, Tamraparni Ghosh, Vasudev D. S., Harsha P., Devu B. Kumar, Justin Prasad, Athul V. B., Abhimanyu S. M. and Reji Varghese*

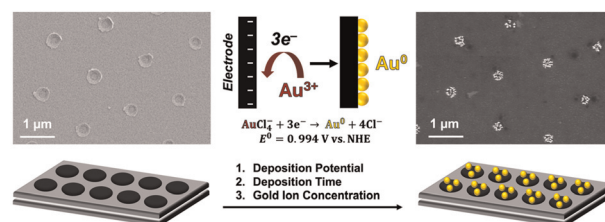


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Electrochemical deposition of gold nanoparticles on carbon ultramicroelectrode arrays

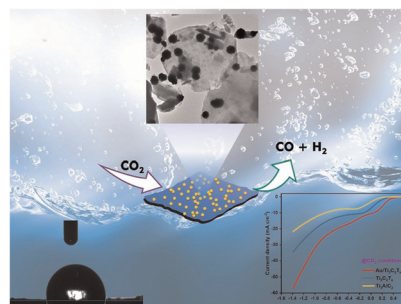
Courtney J. Weber, Natalie E. Strom and Olja Simoska*



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Improved electrochemical reduction of CO₂ to syngas with a highly exfoliated Ti₃C₂T_x MXene–gold composite

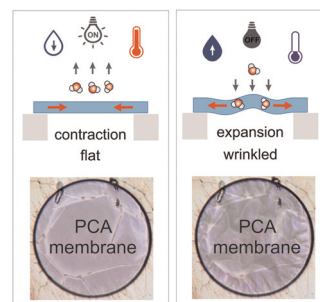
Murugan Krishnan, Aathilingam Vijayaprabakaran and Murugavel Kathiresan*



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Multi-responsive poly-catecholamine nanomembranes

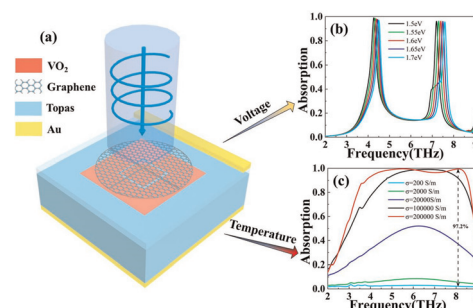
Adam Krysztofik, Marta Warzajtis, Mikolaj Pochylski, Marcel Boecker, Jiyao Yu, Tommaso Marchesi D'Alvise, Przemyslaw Puta, Pawel W. Majewski, Christopher V. Synatschke, Tanja Weil and Bartlomiej Graczykowski*



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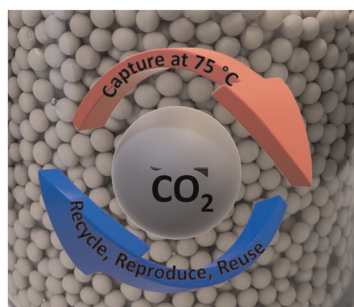
Design of terahertz metamaterial absorbers with switchable absorption functions utilizing thermal and electrical dual-modulation strategies

Xuefeng Qin, Sijun Fang, Guiyuan Duan, Chongyang Xu, Jieying Jiang, Han Xiong and Ben-Xin Wang*



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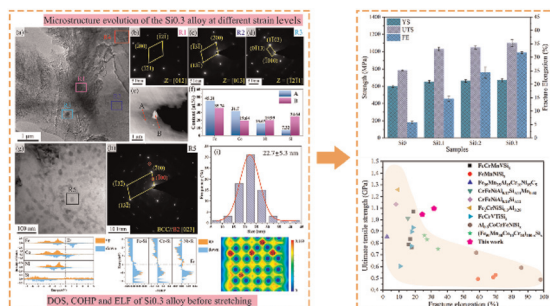
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Mesoporous silica–amine beads from blast furnace slag for CO₂ capture applications

Baljeet Singh,* Marianna Kemell, Juho Yliniemi and Timo Repo*

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Dual enhancement in strength and ductility of Fe-rich medium-entropy alloys via an *in situ* formed heterogeneous multi-phase structure

Jian Wu, Xinghua Zhu, Sirui Huang and Heguo Zhu*

CORRECTION

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Correction: Hybrid 2D perovskite and red emitting carbon dot composite for improved stability and efficiency of LEDs

Amandeep Singh Pannu,* Suvankar Sen, Xiaodong (Tony) Wang, Robert Jones, Kostya (Ken) Ostrikov and Prashant Sonar*

