

Refereed Publications of Professor Challa Vijaya Kumar (180 published, 1 submitted, >8700 Citations, h-index of 39 and I10-index of 113, Google Scholar) (undergraduate authors in bold)

Appeared or Accepted (Refereed Papers, Undergraduate Authors in Bold)

180. Pattammattel, A., Stromer, B. S., Baveghems, C. and Kumar, C. V., Stimuli-responsive protein hydrogels for potential applications in enzymology and drug delivery, *J. Chem. Sci.*, in press, **2018**.
179. Buranaprapuk, A., Kumar, C. V., Jedi's light sabre: Site specific photocleavage of proteins with light, *Srinakarinvirot Sci. J.*, in press, **2018**.
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177. Puglia, M. K., Anuganti, M., Lin, Y., and Kumar, C. V., Facile, protein-assisted synthesis of biographene for enzymology studies, *Method. Enzymol.*, in Press, **2018**.
176. O'Neill, M., Puglia, M. K., and Kumar, C. V., advanced development of space photovoltaic concentrators using robust lenses, multi-junction cells, and graphene radiators, *Proceedings of WCPEC-7*, **2018**.
175. Riccardi, C. M., A Modular Approach for Interlocking Enzymes in Whatman Paper, *Angew. Chem. Int. Ed.* (Engl), **2018**, appeared.
174. Limbacher, M. R., Puglia, M. K., Riccardi, C. M. and Kumar, C. V., Interlocking enzymes in graphene coated cellulose paper for increased enzymatic efficiency, *Method. Enzymol.*, in press, **2018**.
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170. Pattammattel, A., Pande, P., Kuttappan, D., Basu, A. K., Amalaradjou, M. A., and Kumar, C. V., Controlling Graphene-Bio Interface: Dispersions in sera with enhanced stability and reduced toxicity, *Langmuir*, **2017**, 10.1021/acs.langmuir.7b02854.
169. Benson, K. R., Pattammattel, A., Ghimire, A., and Kumar, C. V., Protein BioPhosphors: Biodegradable, multi-functional, protein-based, hydrogels for white emission, sensing and pH detection, *Adv. Funct. Mater.*, **2017**, 27, 1702955; 10.1002/adfm.201702955.
168. Zore, O. V., Pande, P., **Okifo**, O., Basu, A. K., Kasi, R. M., Kumar, C. V., NanoArmoring: Strategies for the Preparation of Multi-Catalytic Enzyme Polymer Conjugates and Enhancement of High Temperature Biocatalysis, *RSC Advances*, **2017**, 7, 29563-74.
167. Zore, O. V. Kasi, R. M., Kumar, C.V., Armored Enzyme–Nanohybrids and Their Catalytic Function Under Challenging Conditions, *Methods in Enzymology*, **2017**, 590, 169-192.
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