11. PAPERS PUBLISHED IN REFEREED INTERNATIONAL JOURNALS	
Sl.No.	**Paper Details**
1)	Advancing neurological disorder detection: ZnFe2O4:Co2+ nanoparticles for highly sensitive electrochemical dopamine sensing and latent fingerprint detection, Nadar, N.R., Deepak, J., Sharma, S.C., Krushna, B.R.R., Nagabhushana, H., Sahu, S., Sridhar, C., Akkara, P.J., Manjunatha, K., Wu, S.Y., Ceramics International, (2025), 51 (11), pp. 14511-14530, DOI: 10.1016/j.ceramint.2025.01.289, (IF = 5.6), (Citations = 1).
2)	A novel Tb doped Y2O3 electrochemical sensing platform for selective and sensitive dopamine quantification, Nadar, N.R., Deepak, J., Ray, S., Sharma, S.C., Krushna, B.R.R., Pruthviraj, I.S., Nagabhushana, H., Inorganic Chemistry Communications, (2025), 180, art. no. 115062, DOI: 10.1016/j.inoche.2025.115062, (IF = 5.4), (Citations = 0).
3)	Thermoluminescent and photoluminescent properties of CaGd2ZnO5:Er3+ phosphors: Insights into dosimetry and w-LED fabrication, Pruthviraj, I.S., Krushna, B.R.R., Karthikeyan, K., Sharma, S.C., Mohapatra, S.S., Manjunatha, K., Wu, S.Y., Narasimhamurthy, K.N., Komahal, F.F., Nagabhushana, H., Journal of Luminescence, (2025), 284, art. no. 121295, DOI: 10.1016/j.jlumin.2025.121295, (IF = 3.6), (Citations = 2).
4)	High purity red emitting CaLaGaO4:Eu3+ nanophosphors: Applications in w-LEDs and forensic fingerprint detection with YOLOv8x framework, Mahanthesh, K.Y., Krushna, B.R.R., Mamatha, G.R., Sharma, S.C., Mishra, S., Akila, K., Karthikeyan, K., Narasimhamurthy, K.N., Manjunatha, K., Wu, S.Y., Lyu, B.-L., Ramakrishna, G., Nagabhushana, H., Ceramics International, (2025),, DOI: 10.1016/j.ceramint.2025.07.061, (IF = 5.6), (Citations = 0).
5)	Orange red emitting Sm3+ doped V2O5 nanoparticles: Structural insights, photoluminescence, ridgeoscopic analysis through YOLOv8x deep learning model, Navya, N., Krushna, B.R.R., Sharma, S.C., Sumathi, S., Nagarajan, K., Manjunatha, K., Wu, S.Y., Shivakumar, V., Devaraja, S., Nagabhushana, H., Optical Materials, (2025), 165, art. no. 117089, DOI: 10.1016/j.optmat.2025.117089, (IF = 3.8), (Citations = 1).
6)	Synergistic enhancement of photoluminescence and advanced deep learning model through YOLOv8x in combined effects of carbon dots and $Sr_9Al_6O_{18}:Sm^{3+}$ phosphors, Krushna, B.R.R., Pruthviraj, I.S., Sharma, S.C., Vijayanand, S., Krithika, C., Mohapatra, L., Pappa Ammal, R., Kumar, S., Manjunatha, K., Yun Wu, S., Lung Yu, S., Nagabhushana, H., Optical Materials, (2025), 159, art. no. 116455, DOI: 10.1016/j.optmat.2024.116455, (IF = 3.8), (Citations = 11).
7)	High performance Y4Al2O9:Eu3+ phosphors: Optical, thermal, and functional applications in w-LEDs, anti-counterfeiting and advanced forensics, Arunakumar, R., Gagana, M., Radha Krushna, B.R., Pruthviraj, I.S., Ramakrishna, G., Sharma, S.C., Choudhury, S.P.N., Shanma, E., Kumari, B.N., Manjunatha, K., Wu, S.Y., Das, B.K., Nagabhushana, H., Journal of Luminescence, (2025), 281, art. no. 121166, DOI: 10.1016/j.jlumin.2025.121166, (IF = 3.6), (Citations = 8).

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9)	Leveraging photosensitive and thermally stable luminescent Ba2ZnWO6:Eu3+, M+ (M+= Na, K, and Li) nanophosphor for targeted non-invasive and stain-free visualization of cracked tooth syndrome, Arjun, A., Premkumar, H.B., Jairam, L.S., Sharma, S.C., Nagabhushana, H., Darshan, G.P., Materials Today Nano, (2024), 28, art. no. 100531, DOI: 10.1016/j.mtnano.2024.100531, (IF = 8.2), (Citations = 3).
10)	Convert agricultural waste into biocompatible carbon dots: New insights into Pb2+ion sensing, seed germination and secure information systems, Ananda, B., Krushna, B.R.R., Gagana, M., Sharma, S.C., Mohapatra, S.S., Ponnazhagan, K., Inbanathan, J., Manjunatha, K., Wu, S.Y., Nagabhushana, H., Journal of Environmental Chemical Engineering, (2025), 13 (3), art. no. 116949, DOI: 10.1016/j.jece.2025.116949, (IF = 7.2), (Citations = 0).
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12)	Exploring the multifaceted potential of Ga3+ doped ZnO nanoparticles in biomedical and forensic applications, Pruthviraj, I.S., Krushna, B.R.R., Sharma, S.C., Panda, M., Ganesan, L., Manjunatha, K., Wu, S.Y., Manjula, M.V., Shivakumar, V., Devaraja, S., Nagabhushana, H., Colloids and Surfaces A: Physicochemical and Engineering Aspects, (2025), 719, art. no. 137058, DOI: 10.1016/j.colsurfa.2025.137058, (IF = 5.4), (Citations = 2).
13)	Corrigendum to "nature-inspired materials as sustainable electrodes for energy storage devices: Recent trends and future aspects" [journal of energy storage (2025) volume 106, 15 January 2025, 114779] (Journal of Energy Storage (2025) 106, (S2352152X24043652), (10.1016/j.est.2024.114779)), Nadar, N.R., Akkinepally, B., Harisha, B.S., Ibrahim, E.H., Rao, H.J., Dash, T., Sharma, S.C., Hussain, I., Shim, J., Journal of Energy Storage, (2025), 106, art.no. 114890, DOI: 10.1016/j.est.2024.114890, (IF = TBD), (Citations = 0).
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16)	Development of highly thermal-stable blue emitting Y4Al2O9:Bi3+ phosphors for w-LEDs, fingerprint and data security applications, Arunakumar, R., Radha Krushna, B.R., Ramakrishna, G., Mamatha, G.R., Sharma, S.C., Kumar, S., Suvarna, P., Mohapatra, L., George, A., Sudarmani, R., Nagabhushana, H., Materials Science and Engineering: B, (2025), 312, art. no. 117833, DOI: 10.1016/j.mseb.2024.117833, (IF = 4.6), (Citations = 14).

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20)	Green-synthesized Sm3+ activated LiAlSiO4 nanoparticles: A dual-functional platform for latent fingerprint imaging and electrochemical studies, Prathibha, B., Chakradhar, S.P., Krushna, B.R.R., Sharma, S.C., Meyyammai, C.T., Protyusha, G.B., Vickneswaran, V., Manjunatha, K., Wu, S.Y., Yu, Y.T., Arunakumar, R., Ramakrishna, G., Galivarapu, J.K., Al-Asbahi, B.A., Nagabhushana, H., Colloids and Surfaces A: Physicochemical and Engineering Aspects, (2025), 726, art. no. 137936, DOI: 10.1016/j.colsurfa.2025.137936, (IF = 5.4), (Citations = 0).
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40)	Acoustic cavitation assisted synthesis of PCDs@PVA composite film for UV shielding, intelligent pH detection, information encryption and food packing applications, Sandeep, D.H., Krushna, B.R.R., Sharma, S.C., Sahoo, S., Sridhar, C., Rajkumar, A., Manjunatha, K., Wu, S.Y., Kumar, V.R.H., Arulmozhi, A., Nagabhushana, H., Journal of Photochemistry and Photobiology A: Chemistry, (2025), 461, art. no. 116162, DOI: 10.1016/j.jphotochem.2024.116162, (IF = TBD), (Citations = 10).
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46)	A facile approach towards large-scale synthesis of TiO2 nanoparticles derived from egg shell waste with enhanced UV shielding, nano priming and fingerprint real time object detection through YOLOv8x, Navya, N., Krushna, B.R.R., Sharma, S.C., Kumar, V.R.H., Sahoo, S., Sudarmani, R., Babu, K.S., Manjunatha, K., Wu, S.Y., Chiu, H.-H., Vinayak, G.K., Nagabhushana, H., Inorganic Chemistry Communications, (2024), 170, art. no. 113422, DOI: 10.1016/j.inoche.2024.113422, (IF = 5.4), (Citations = 10).
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