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Department of Science & Humanities (First Year Engineering)

List of Publications (Journal / Conference/ Proceedings / Book Chapters etc...)

Sr. No	Details	Type (Journal / Conference/ Proceedings / Book Chapters)
A. Y. 2024-25		
1	Intense blue emission energy transfer analysis in Ce ³⁺ -Eu ²⁺ activated NaBa(PO ₃) ₃ phosphors for blue LEDs and plant growth technologies, Prashant N. Parale, Abhijeet R. Kadam , N. S. Shirbhate, S. J. Dhoble and K. V. Dabre, Journal of Fluorescence 2024.	Journal
2	Synergetic red emitting Sm ³⁺ , Eu ³⁺ , Pr ³⁺ triple doped K ₂ Ba ₂ (PO ₃) ₅ luminescent glasses: An approach towards highly intense red emitting phosphor for LED and display devices applications, Prashant N. Parale, Abhijeet R. Kadam , S. J. Dhoble and K. V. Dabre, Optics and Laser Technology, 2025, 181, 111796.	Journal
3	Sm ³⁺ activated Ba ₃ LaNa(PO ₄) ₃ F fluorophosphate phosphor: Synthesis, characterization and their photoluminescence investigation for warm WLEDs, Rahul V. Tikale, Abhijeet R. Kadam and Ashish Mathur and S. J. Dhoble, Chemical Physics Impact, 2024, 9, 100741.	Journal
4	Optimal Doping of Ho ³⁺ in CaTiO ₃ Perovskite for Enhanced Photoluminescence and Sustainable Green Emission, Vijay Singh, Aadil Ahmad Bhat, Abhijeet R. Kadam , S. Saravanakumar, Pankaj Kumar Tripathi, S. J. Dhoble and Ji Bong Joo, Journal of Electronic Materials.2024	Journal
5	Environment benign <i>Ghee</i> residue – titania based adsorbent for quick removal of methyl orange dye, Meenal Joshi, Abhijeet R. Kadam and S. J. Dhoble, Adsorption 2024.	Journal
6	Highly efficient far-red emitting Mg ₂₁ Ca ₄ Na ₄ (PO ₄) ₁₈ : Ce ³⁺ , Eu ³⁺ luminescent glasses: A novel approach towards plant cultivation technologies, Abhijeet R. Kadam , Toshi Dhapodkar, Nayana Shirbhate, and S. J. Dhoble, Journal of Fluorescence 2024	Journal
A. Y. 2023-24		
1	Synthesis and optical properties of LiZr ₂ (PO ₄) ₃ : Eu ³⁺ , Dy ³⁺ phosphor for display devices application, Rahul V. Tikale, Abhijeet R. Kadam and S. J. Dhoble, Chemical Physics Impact, 2024, 8, 100525.	Journal
2	Combustion assisted optical and structural investigation of Dy ³⁺ /Eu ³⁺ co-doped KMg ₃ Si ₃ AlO ₁₀ F ₂ phosphor by energy	Journal



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	transfer mechanism, Rahul V. Tikale, Abhijeet R. Kadam, Ashish Mathur and S. J. Dhoble , Inorganic Chemistry Communications, 2024, 161, 112146.	
3	Luminescence investigation of red emitting CaAlSiO ₄ F: Eu ³⁺ doped phosphor for white LEDs based on oxyfluoride matrix, Rahul V. Tikale, Abhijeet R. Kadam and S. J. Dhoble , Materials Letters: X, 2024, 21, 100224.	Journal
4	Optical properties and crystal structure analysis of Sr ₃ AlO ₄ F:Sm ³⁺ , Eu ³⁺ phosphors: an approach towards color tunability, Journal of Materials Science: Materials in Electronics, Rahul V. Tikale, Abhijeet R. Kadam and S. J. Dhoble , 2023, 27 (34), 1868.	Journal
5	Spectroscopic and energy transfer analysis in Dy ³⁺ /Eu ³⁺ activated/co-activated LiNaSO ₄ phosphors: Structural and optical properties, Manjusha Taywade, Abhijeet R. Kadam, N. S. Dhoble and S. J. Dhoble , Results in Chemistry, 2023, 6, 101097	Journal
6	Tailored efficient energy transfer Tb ³⁺ , Eu ³⁺ activated/co-activated LiAl(PO ₃) ₄ phosphor by substitution of alkali metals: the effect of charge compensation, Prashant N. Parale, Abhijeet R. Kadam, K. V. Dabre and S. J. Dhoble , RSC Advances, 2023, 37 (13), 26179-26188.	Journal
7	Design efficient energy transfer Dy ³⁺ , Eu ³⁺ activated/co-activated NaMg(PO ₃) ₃ phosphor for WLEDs: Photochromaticity and crystal structure analysis, Prashant N. Parale, Abhijeet R. Kadam, K. V. Dabre, S. J. Dhoble , Inorganic Chemistry Communications, 2023, 154, 110974.	Journal
8	Structure, luminescence investigation in Dy ³⁺ , Eu ³⁺ and Ce ³⁺ , Dy ³⁺ co-activated Sr ₉ MgK(PO ₄) ₇ phosphors by energy transfer mechanism, Sanket J. Helode, Abhijeet R. Kadam, S. J. Dhoble , Journal of Solid State Chemistry, 2023, 325, 124149.	Journal
9	Spectroscopic Investigation of K ₂ Ba ₂ (PO ₃) ₅ : Mn ⁴⁺ activated glasses for plant cultivation applications, Prashant N. Parale, Abhijeet R. Kadam, K. V. Dabre, S. J. Dhoble , Materials Letters: X, 2023, 18, 100191.	Journal
10	Effect of Singly, Doubly and Triply Ionized Ions on Photoluminescent Energy Materials, Abhijeet R. Kadam, Faud Ameen and Sanjay J. Dhoble , Name of Edited book : Emerging Energy Materials Applications and Challenges, Editors : Govind B. Nair, H. Nagabhushana, Nirupama S. Dhoble and Sanjay J. Dhoble , Publishers : CRC Press (Taylor and Francis Publications) , ISBN : 978-1-032-31209-5, Chapter-7 , pp 130-146, 2024	Book Chapters
11	Quantum Cutting in Photoluminescence Downconversion Phosphors, Abhijeet R. Kadam, Nirupama S. Dhoble and Sanjay J. Dhoble , Name of Edited book : Emerging Energy Materials Applications and Challenges, Editors : Govind B. Nair, H.	Book Chapter



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	Nagabhushana, Nirupama S. Dhoble and Sanjay J. Dhoble, Publishers : CRC Press (Taylor and Fransis Publications), ISBN : 978-1-032-31209-5, Chapter-4, pp 71-87, 2024.	
12	Paradigms of Titanate Centered Energy Materials, Sanjay J. Dhoble, Abhijeet R. Kadam , G. P. Darshan, S. C. Sharma, H. Nagabhushana, Publisher: CRC Press, Taylor and Francis Publications © 2023, ISBN: 9781032464664.	Book
	A. Y. 2022-23	
1	Abhijeet Adhe, Kirtiwant Ghadlem and Uday Thool, Analysis of thermal stresses to 2D plane thermoelastic inhomogeneous strip, Mathematics in Applied Sciences and Engineering, https://doi.org/10.5206/mase/16387	Journal
2	Abhijeet Adhe and Kirtiwant Ghadle, Thermal Stress Analysis of Inhomogeneous Infinite Solid to 2D Elasticity of Thermoelastic Problems, Mathematics and Computing, http://dx.doi.org/10.1007/978-981-19-9307-7_41	Book Chapter
3	Intensity enhancement of photoluminescence in Tb ³⁺ / Eu ³⁺ co-doped Ca ₁₄ Zn ₆ Al ₁₀ O ₃₅ phosphor for WLEDs, Sameer Bhelave, Abhijeet R. Kadam , Atul Yerpude, S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 2023, 38 (4), 379-388.	Journal
4	High color purity and color tunability in Sm ³⁺ / Eu ³⁺ activated/ co-activated Sr ₆ Ca ₄ (PO ₄) ₆ F ₂ phosphor for WLED and display devices application, Sadaf Gauhar M Mushtaque, Abhijeet R Kadam , SJ Dhoble, Journal of Molecular Structure, 2023, 1274, 134510.	Journal
5	Luminescence investigation of Sm ³⁺ , Eu ²⁺ -activated/co-activated Ba ₂ AlB ₄ O ₇ Cl phosphors: novel red to blue colour tuning in chloroborates, A. R. Bansod, Abhijeet R. Kadam , P. S. Bokare, S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 2022, 37(12), 2090–2097.	Journal
6	Opto Electronic Filter Effectiveness by Influx of Macro, Thin Film and Nano Scalings Stress Analysis of Trapezoidal and Spiral Coated Device Characterizations of Eu ²⁺ Doped Barium Hexafluorosilicate (BaSiF ₆ :Eu ²⁺) Phosphors, J Fernando, P Padmavathi, K Senthil Kannan, A. R. Kadam , Samiksha B Dhoble, R Kannan, SJ Dhoble, AIP Conference Proceedings, 2022, 2446, 100036.	Journal
7	Vicker's Hardness Elastic Stiffness, Fracture Toughness, Hardness in Mohs Scale, Young's Modulus and Yield Strength Measurement of BaSiF ₆ :Eu ²⁺ Phosphors, J Fernando, P Padmavathi, K Senthil Kannan, A. R. Kadam , R Kannan, SJ Dhoble, AIP Conference Proceedings, 2022, 2446, 100035.	Journal



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8	Combustion assisted $\text{Ca}_{8.25}\text{Na}_{1.5}\text{Al}_6\text{O}_{18}:\text{Sm}^{3+}$ phosphors for solid state lighting and WLEDs applications, Toshi S. Dhapodkar, Abhijeet R. Kadam and S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 37 (11), 2022, 1899-1905.	Journal
9	Luminescence study of Sm^{3+} , Eu^{3+} -doped $\text{Y}_2\text{Zr}_2\text{O}_7$ host: optical investigation of greenish yellow to red colour tunable pyrochlore phosphor, Amit R. Bansod, Abhijeet R. Kadam , Prashant S. Bokare and S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 37, 2022, 1352-1360.	Journal
10	Synthesis and luminescence properties of Bi^{3+} activated $\text{Ba}_3\text{WO}_5\text{Cl}_2$ phosphors for plant cultivation applications, Rahul V. Tikale, Abhijeet R. Kadam and S. J. Dhoble, Chemical Data Collections, 40, 2022, 100891.	Journal
11	Luminescence investigation of Sm^{3+} activated $\text{CaAl}_2(\text{SiO}_4)_2\text{Cl}_2$ chlorapatite phosphor for solid state lighting applications, Sanket J. Helode, Abhijeet R. Kadam and S. J. Dhoble, Chemical Data Collections, 40, 2022, 100881.	Journal
12	Efficient Near-Infrared Quantum Cutting in Y_2O_3 Co-doped With Ho^{3+} , Yb^{3+} Phosphor Synthesized By Solution Route, Prachi Tadge, Abhijeet R. Kadam , S. J. Dhoble, Sameer Sapra and Sudeshna Ray, ECS Transactions The Electrochemical Society, 107 (1), 2022, 17717-17730.	Journal
13	Mercury determination from waste fluorescent lamps: a challenge, Abhijeet R. Kadam and S. J. Dhoble, Name of Edited book : 360 Degree waste management volume 2, Editors: Nishikant B. Raut, Dadasaheb M. Kokare, Bharat A. Bhanvase, Kirtikumar R. Randive, Sanjay J. Dhoble, Publishers: Elsevier Publications © 2023, ISBN: 978-0323-90909-9, Chapter-13, PP 299-318, 2023.	Book Chapter
14	Management of solar celle-waste: challenges and techniques, Abhijeet R. Kadam , Neelu Singh, N. S. Dhoble, B. Vengadaesvaran and S. J. Dhoble, Name of Edited book : 360 Degree waste management volume 2, Editors: Nishikant B. Raut, Dadasaheb M. Kokare, Bharat A. Bhanvase, Kirtikumar R. Randive, Sanjay J. Dhoble, Publishers: Elsevier Publications © 2023, ISBN: 978-0323-90909-9, Chapter-11, PP 255-272, 2023.	Book Chapter
15	Thermoluminescence versatility in sulfate based phosphors, Abhijeet R. Kadam and S. J. Dhoble Name of Edited book: Phosphor Handbook: Process, Properties and Applications, Editors: Vijay B. Pawade, Ritesh R. Kohale, Sanjay J. Dhoble and Hendrik C. Swart, Publishers : Elsevier Publications © 2023, ISBN: 978-0-323-90539-8, Chapter-15, PP 331-349, 2023	Book Chapter
16	Mayuri C. Deshmukh, Kirtiwant P. Ghadle and Omprakash S. Jadhav: Solving Fuzzy Transportation Problem by Graphical	Journal

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Technique of Linear Programming Approach. <i>Advances and Applications in Mathematical Sciences</i> , 22(6), (2023), 1125-1139.		
A.Y. 2021-22		
1	Pradip Bhadane, Kirtiwant P. Ghadle and Abhijeet B. Adhe , Applications of Triple Laplace Transformation to Volterra Integro Partial Differential Equation, Turkish Journal of Computer and Mathematics Education, https://www.researchgate.net/journal/Turkish-Journal-of-Computer-and-Mathematics-Education-TURCOMAT-1309-4653	Journal
2	Gajanan S Solanke, Deepak B Pachpatte, Modelling for outbreak of swine flu using fractional derivative, Stochastic Modeling and Applications, https://www.mukpublications.com/resources/smav25-2-6.%20GAJANAN%20S.%20SOLANKE.pdf	Journal
3	Deepak B Pachpatte, Gajanan S Solanke and Haribhau L Tidke, Analysis and prediction of active infection cases for Covid-19 virus in India, Italy and USA, Stochastic Modeling and Applications, https://www.mukpublications.com/resources/smav25-2-8.%20D.%20B.%20PACHPATTE.pdf	Journal
4	Efficient white light-emitting Mg ₂₁ Ca ₄ Na ₄ (PO ₄) ₁₈ : Dy ³⁺ , Tb ³⁺ , Eu ³⁺ triple-doped glasses: a multipurpose glasses for WLEDs, solar cell efficiency enhancement, and smart windows applications, Toshi S. Dhapodkar, Abhijeet R. Kadam and S. J. Dhoble, Materials Today Chemistry, 24, 2022, 100938.	Journal
5	Energy transfer mechanism in K ₂ Ba(PO ₄)F:Dy ³⁺ , Eu ³⁺ co-activated phosphor: spectral tuning phosphor for photovoltaic efficiency enhancement, Radhika G. Deshmukh, Abhijeet R. Kadam and S. J. Dhoble, Journal of Molecular Structure, 1257, 2022, 132603.	Journal
6	Eu (iii), Tb (iii) activated/co-activated K ₂ NaAlF ₆ host array: simultaneous approach for improving photovoltaic efficiency and tricolour emission, Abhijeet R Kadam , Ramkumar B Kamble, Meenal Joshi, Abhay D Deshmukh, SJ Dhoble, RSC New Journal of Chemistry, 46 (1), 2022, 334-344.	Journal
7	Energy transfer mechanism of KAlF ₄ : Dy ³⁺ , Eu ³⁺ co-activated down-conversion phosphor as spectral converters: An approach towards improving photovoltaic efficiency by downshifting layer, Abhijeet R. Kadam and S. J. Dhoble, Journal of Alloys and Compounds, 884, (2021), 161138.	Journal
8	Tailoring of thermoluminescent properties and assessment of trapping parameters of natural fluorite samples from Dogargaon fluorite mines, India, Kirtikumar Randive, Sanjiwani Javadand, M. L. Dora, Abhijeet R. Kadam and S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 36(7), 2021, 1648-1657.	Journal

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9	LEDs benefits and challenges in road lighting, Varsha Rangari, Abhijeet R. Kadam and S. J. Dhoble, International Journal of Scientific Research in Science and Technology (IJSRST), 8 (1), 2021, 568-583.	Journal
10	Investigation of UV and VUV excited photoluminescence features of green emitting YPO ₄ doped with Tb ³⁺ phosphors, Vijay Singh, Abhijeet R. Kadam and S. J. Dhoble Optik: International Journal for Light and Electron Optics, 243, 2021, 167437.	Journal
11	VUV and UV photoluminescence of green emitting Sr ₂ P ₂ O ₇ :Tb ³⁺ phosphors for PDP applications, Vijay Singh, Abhijeet R. Kadam , S. J. Dhoble and Hoonil Jeong, Optik: International Journal for Light and Electron Optics, 243, 2021, 167396.	Journal
12	Luminescence studies of green emitting CaLa ₄ Si ₃ O ₁₃ :Tb ³⁺ phosphor for WLED and PDP applications, Vijay Singh, Abhijeet R. Kadam , S. J. Dhoble and Hoonil Jeong, Optik: International Journal for Light and Electron Optics, 243, 2021, 167327.	Journal
13	Critical review on lanthanide activated LED phosphors, Utkarsh A. Bawane, Abhijeet R. Kadam , Amol Nande and S. J. Dhoble, Journal of Physics: Conference series, 1913 (1), 2021, 012030.	Journal
14	A review on morphological studies of phosphors by combustion route synthesis: The role of fuels, Ashish D. Pise, Abhijeet R. Kadam , Sakshi Sahare and S. J. Dhoble, Journal of Physics: Conference series, 1913 (1), 2021, 012026.	Journal
15	Recent progress in phosphate based luminescent materials: A case study, T. S. Dhapodkar, Abhijeet R. Kadam , Arati Duragkar, N. S. Dhoble and S. J. Dhoble, Journal of Physics: Conference series, 1913 (1), 2021, 012024.	Journal
16	Inorganic thermoluminescent phosphors in radiation dosimetry: An overview, Rashmi C. Satkar, Abhijeet R. Kadam , Digambar A. Ovhal and S. J. Dhoble, Journal of Physics: Conference series, 1913 (1), 2021, 012023.	Journal
17	Eu (III) doped tri-calcium Ca _{3(1-X-Z)M_z(PO₄)₂A_X} : X host array: Optical investigations of down-conversion red phosphor for boosting display intensity and high color purity, Abhijeet R. Kadam , R. L. Kohale, Girish C. Mishra and S. J. Dhoble, RSC New Journal of Chemistry 45 (16), 2021, 7285-7307.	Journal
18	Hazardness of mercury and challenges in functional materials in lighting devices, Abhijeet R. Kadam and S. J. Dhoble Name of Edited book: Functional materials by carbon, inorganic and organic sources: Methods and advances, Editors: Sanjay J. Dhoble, Amol Nande, N. Thejokalyani, Ashish Tiwari, Abdul Kariem Arof, Publishers : Elsevier Publications © 2022, ISBN: 978-0-323-85788-8, Chapter-11, PP 367-392, 2022	Book Chapter
19	Solar cell efficiency enhancement by modeling the downconversion and downshifting functional materials, Abhijeet R. Kadam , Ashish Dubey and S. J. Dhoble, Name of Edited	Book Chapter



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	book: Functional materials by carbon, inorganic and organic sources: Methods and advances, Editors: Sanjay J. Dhoble, Amol Nande, N. Thejokalyani, Ashish Tiwari, Abdul Kariem Arof, Publishers : Elsevier Publications © 2022, ISBN: 978-0-323-85788-8, Chapter-06, PP 157-185, 2022	
20	Rare-earth activated phosphors for energy efficient solar cell, Abhijeet R. Kadam , and Sanjay J. Dhoble, Name of Edited book : Rare-earth Activated Phosphors: Chemistry and Applications, Editors : Vikas Dubey, Neha Dubey, Marta Michalska-Domanska, M. Jayasimhadri and Sanjay J. Dhoble, Publishers : Elsevier Publications © 2022, ISBN : 978-0-323-89856-0, Chapter-13, pp 347-364, 2022.	Book Chapter
21	Nanophosphors for radiation dosimetry, Abhijeet R. Kadam , Yatish R. Parauha, Marta Michalska-Domanska, N.S. Dhoble and Sanjay J. Dhoble, Name of Edited book : Radiation Dosimetry Phosphors: Synthesis, Mechanisms, Properties and Analysis, Editors : Sanjay J.Dhoble, Vibha Chopra, Vinit Nayar, George Kitis, Dirk Poelman, Hendrik C. Swart, Publishers : Woodhead Publishing Series in Electronics and Optical Materials (Elsevier Publications), ISBN : 978-0-323-85471-9, Chapter-10, pp 251-276, 2022.	Book Chapter
22	Introduction to luminescence and radiation dosimetry techniques, Vibha Chopra, Abhijeet R. Kadam , Hendrik C. Swart and Sanjay J. Dhoble Name of Edited book : Radiation Dosimetry Phosphors: Synthesis, Mechanisms, Properties and Analysis, Editors : Sanjay J.Dhoble, Vibha Chopra, Vinit Nayar, George Kitis, Dirk Poelman, Hendrik C. Swart, Publishers : Woodhead Publishing Series in Electronics and Optical Materials (Elsevier Publications), ISBN : 978-0-323-85471-9, Chapter-1, pp 1-26, 2022.	Book Chapter
23	Kirtiwant P. Ghadle, Mayuri C. Deshmukh and Omprakash S. Jadhav: Solving Equality and Inequality Constraints FLPP Using Intuitionistic Fuzzy Numbers with Different Techniques. <i>Malaya Journal of Matematik</i> , 9(1), (2021), 385-390.	Journal
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1	Gajanan S Solanke, Deepak B Pachpatte, A fractional order differential equation model for tuberculosis, AIP Conference Proceedings, https://doi.org/10.1063/1.5086629	Journal
2	Kirtiwant P. Ghadle and Abhijeet B. Adhe, Steady-State Temperature Analysis to 2d Elasticity and Thermo-Elasticity Problems For Inhomogeneous Solids in Half-Plane, Journal of Korean Society for Industrial and Applied Mathematics, https://doi.org/10.12941/jksiam.2020.24.093	Journal
3	Vaishali Deepak Kokate, Women Empowerment In India: A Historical Perspective and Prospects, International Journal of Advance	Journal



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Scientific Research and Engineering Trends, http://www.ijasret.com/Current.aspx?VolumeID=7		
4	Study of thermoluminescence properties of $\text{Li}_2\text{B}_4\text{O}_7:\text{Cu}$ irradiated to 50 MeV Li^{3+} ion beam, Ravi Sharma, Vibha Chopra, Nisha Sharma, Abhijeet R. Kadam , S. J. Dhoble and Birendra Singh, Journal of Materials Science: Materials in Electronics 32 (2021), 11210-11219.	Journal
5	Wet chemically synthesized $\text{Na}_3\text{Ca}_2(\text{SO}_4)_3\text{Cl}:\text{RE}^{3+}$ (RE= Ce, Dy, Eu) phosphors for solid state lighting, Nahida Baig, Abhijeet R. Kadam , Kena Dubey, N. S. Dhoble and S. J. Dhoble, Radiation Effects and Defects in Solids, 176, (2021), 493-507.	Journal
6	Wet chemically prepared terbium activated sodium calcium chlorosulfate phosphor for solid state lighting industry, Kena Dubey, Abhijeet R. Kadam , Nahida Baig, N. S. Dhoble and S. J. Dhoble, Radiation Effects and Defects in Solids, 176, (2021), 431-440.	Journal
7	Enhanced photoluminescence in RE (Eu^{3+} , Ce^{3+} and Sm^{3+}) activated $\text{Ca}_{10}(\text{PO}_4)_2\text{F}_2$ phosphors via doubly and triply ionized minerals doping: A comparative study, Arati Duragkar, N. S. Dhoble, Abhijeet R. Kadam and S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 36(3), 2021, 606-620.	Journal
8	Investigation of thermoluminescence response and trapping parameters of natural barite samples from Dongargaon Mine, India, Kirtikumar Randive, Harshawardhini Pantawane, M. L. Dora, Abhijeet R. Kadam , Milind Jog and S. J. Dhoble, Luminescence: The Journal of Biological and Chemical Luminescence, 36(2), 2021, 460-471.	Journal
9	Combustion assisted spectroscopic investigation of Dy^{3+} activated SrYAl_3O_7 phosphor for LED and TLD applications, Abhijeet R. Kadam , Samiksha B. Dhoble, Girish C. Mishra, A. D. Deshmukh and S. J. Dhoble, Journal of Molecular Structure 1233 (2021) 130150.	Journal
10	Theoretical analysis of electron vibrational interaction (EVI) parameters in 5d states of Eu^{2+} activated BaSiF_6 downconversion phosphor, Abhijeet R. Kadam , Girish C. Mishra, Marta Michalska - Domanska and S. J. Dhoble, Journal of Molecular Structure, 1229 (2021) 129505.	Journal
11	Enhancement of blue emission in Ce^{3+} , Eu^{2+} activated BaSiF_6 downconversion phosphor by energy transfer mechanism: A photochromic phosphor, Abhijeet R. Kadam , Girish C. Mishra, A. D. Deshmukh and S. J. Dhoble, Journal of Luminescence, 229 (2021) 117676.	Journal
12	Thermoluminescence study and evaluation of trapping parameters $\text{CaTiO}_3:\text{RE}$ (RE= Eu^{3+} , Dy^{3+}) phosphor for TLD applications, A.	Journal



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