



NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

ERODE – 638 052 TAMILNADU

Email : principal@nandhaengg.org Mobile : 73737 12234

Criterion 3 – Research, Innovations and Extension

3.4

Research Publications and Awards

3.4.6 Bibliometrics of the publications during the year (2022-23) based on Scopus/ Web of Science – h-Index of the Institution

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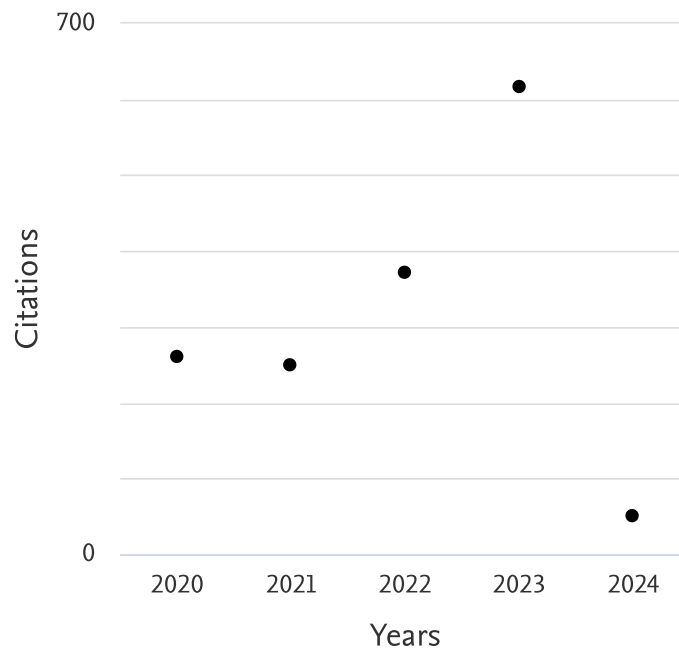
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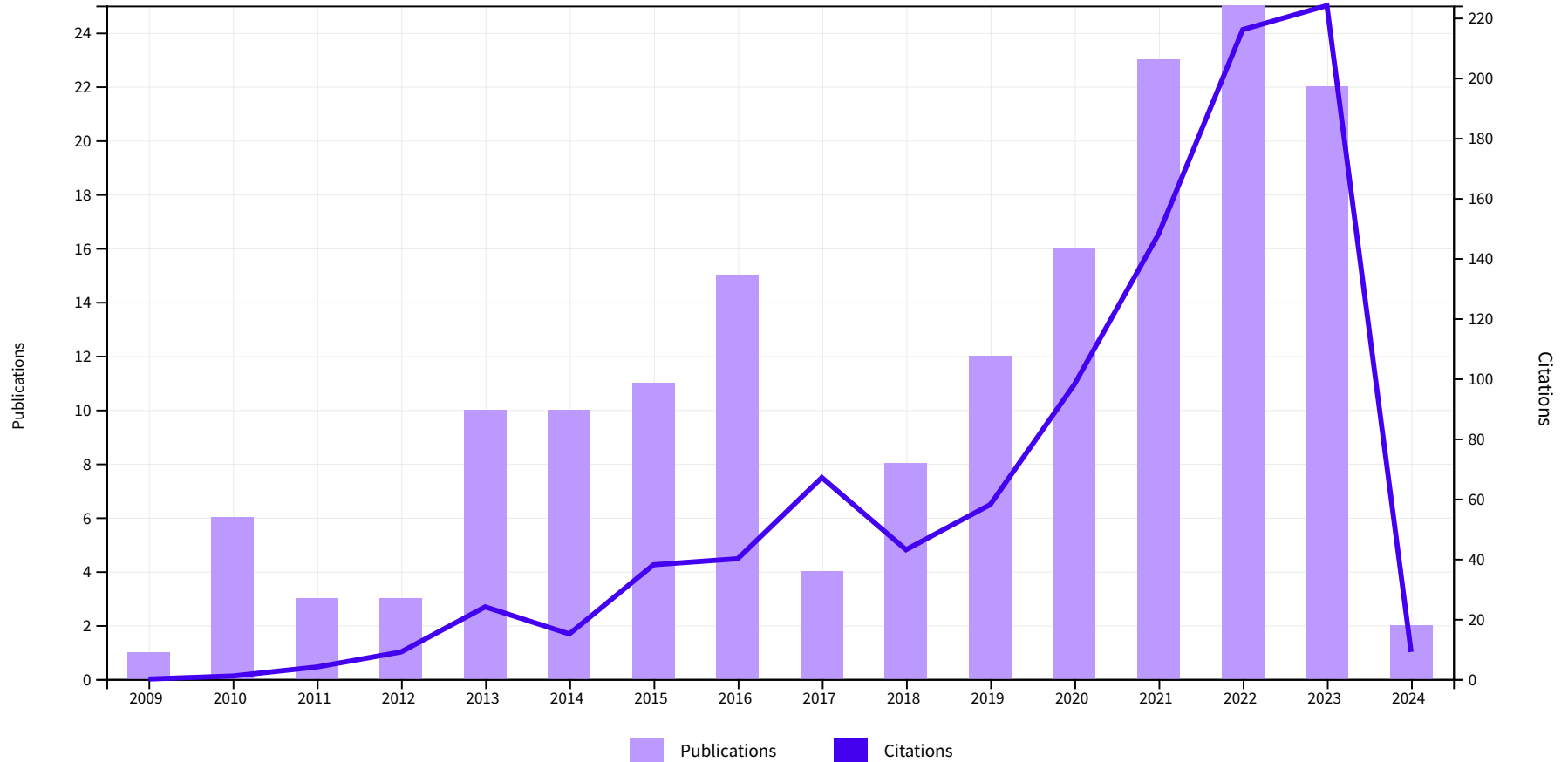
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⊖ 1	<p>Humidity activated ultra-selective room temperature gas sensor based on W doped MoS2/RGO composites for trace level ammonia detection</p> <p>Sibi, SPL; Rajkumar, M; (...); Kumar, RTR</p> <p>Jan 25 2024 ANALYTICA CHIMICA ACTA 1287</p> <p> Enriched Cited References</p>	0	0	0	0	0	0	0
⊖ 2	<p>Diabetes classification using MapReduce-based capsule network</p> <p>Arun, G and Marimuthu, CN</p> <p>Jan 2 2024 AUTOMATIKA 65 (1) , pp.73-81</p> <p> Enriched Cited References</p>	0	0	0	0	0	0	0
⊖ 3	<p>Cluster-based context-aware route service management for smart intelligent autonomous vehicles with industrial transport system</p> <p>Nagappan, G; Maheswari, KG; (...); Shobana, M</p>	0	0	0	0	0	0	0

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④ 4

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[Thenmozhi, M](#); [Umamaheswari, S](#); (...); [Thangavel, J](#)

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④ 5

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[Magibalan, S](#); [Mohanavel, V](#); (...); [Jazaa, Y](#)

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④ 6




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<p>7</p> <p>Optimizing signal smoothing using HERS algorithm and time fractional diffusion equation</p> <p>Jayaraj, AP; Gounder, KN and Rajagopal, J Mar 15 2024 Nov 2023 (Early Access) EXPERT SYSTEMS WITH APPLICATIONS 238</p>	0	0	0	0	0	0	0	
<p>8</p> <p>Edge sites enriched vanadium doped MoS₂/RGO composites as highly selective room temperature ammonia gas sensors with ppb level detection</p> <p>Sibi, SPL; Rajkumar, M; (...); Thangavelu, RKR Nov 30 2023 Oct 2023 (Early Access) JOURNAL OF MATERIALS CHEMISTRY C 11 (46) , pp.16333-16345</p> <p>  Enriched Cited References </p>	0	0	0	0	0	0	0	
<p>9</p> <p>Performance Improvement of Proton Exchange Membrane Fuel Cell by Modified Flow Field Design</p> <p>Saminathan, J; Marappan, M; (...); Ramasamy, S Oct 1 2023 JOURNAL OF ENERGY ENGINEERING 149 (5)</p> <p>  Enriched Cited References </p>	0	0	0	0	0	0	0	

<p>10 A Development and Analysis of Color Image New Blind Watermarking Based on DWT-SVD Swapping and 3-Dimensional Cryptography Technique</p> <p>Jayachandran, T and Kavitha, S</p> <p>Sep 2023 (Early Access) FLUCTUATION AND NOISE LETTERS</p>	0	0	0	0	0	0	0
<p>11 Enhancing micromachining precision with novel electrolyte combinations: an investigation</p> <p>Gunasekaran, S; Periyagounder, S and Subramaniam, M</p> <p>Aug 2023 JOURNAL OF CERAMIC PROCESSING RESEARCH 24 (4) , pp.705-713</p> <p> Enriched Cited References</p>	0	0	0	0	0	0	0
<p>12 Improved visible light response photocatalytic activity of CuWO₄/g-C₃N₄ nanocomposites for degradation of organic dyes</p> <p>Rathi, V; Mohan, KS; (...); Sankar, A</p> <p>Aug 2023 JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS 34 (22)</p> <p> Enriched Cited References</p>	0	0	0	0	0	0	0
	0	0	0	3	0	1.5	3

<p>13</p>	<p>Investigation and validation of PV fed reduced switch asymmetric multilevel inverter using optimization based selective harmonic elimination technique</p> <p>Jayakumar, T; Ramani, G; (...); Ganji, V</p> <p>Jul 3 2023 AUTOMATIKA 64 (3) , pp.441-452</p> <p> Enriched Cited References</p>							
<p>14</p>	<p>Design and Development of Surface Plasmon Polariton Resonance Four-Element Triple-Band Multi-Input Multioutput Systems for LTE/5G Applications</p> <p>Saikumar, K; Arulanantham, D; (...); Pal, A</p> <p>Jun 2023 (Early Access) PLASMONICS</p> <p> Enriched Cited References</p>	0	0	0	1	0	0.5	1
<p>15</p>	<p>Optimal cluster based feature selection for intrusion detection system in web and cloud computing environment using hybrid teacher learning optimization enables deep recurrent neural network</p> <p>Maheswari, KG; Siva, C and Nalinipriya, G</p> <p>Mar 15 2023 Feb 2023 (Early Access) COMPUTER COMMUNICATIONS 202 , pp.145-153</p>	0	0	0	4	0	2	4
		0	0	0	3	2	2.5	5

<p>16</p>	<p>Electronic sensitization enhanced p-type ammonia gas sensing of zinc doped MoS₂/RGO composites</p> <p>Sibi, SPL; Rajkumar, M; (...); Kumar, RTR</p> <p>Apr 1 2023 Feb 2023 (Early Access) ANALYTICA CHIMICA ACTA 1248</p> <p> Enriched Cited References</p>							
<p>17</p>	<p>PERFORMANCE EVALUATION OF FIBRE REINFORCED PERVIOUS CONCRETE PAVEMENT</p> <p>Prakash, RJ; Soundara, B; (...); Johnson, SC</p> <p>2023 REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS 53 (3) , pp.237-247</p>	0	0	0	0	0	0	0
<p>18</p>	<p>A hybrid incomplete decision system using fuzzy sets and rough set theory with varying object sets and values</p> <p>Megala, A and Veeramani, C</p> <p>2023 JOURNAL OF INTELLIGENT & FUZZY SYSTEMS 45 (5) , pp.7957-7974</p> <p> Enriched Cited References</p>	0	0	0	0	0	0	0
<p>19</p>	<p>Self-Adaptive Hybridized Lion Optimization Algorithm With Transfer Learning for Ancient Tamil Character Recognition in Stone Inscriptions</p> <p>Priya, RD; Karthikeyan, S; (...); Nandhagopal, SM</p>	0	0	0	1	0	0.5	1

<p>2023 IEEE ACCESS 11 , pp.39621-39634</p>							
<p>⊖ 20 Sengottaiyan, SM; Rajaiah, J; (...); Ponnusamy, J 2023 INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE 30 (3) , pp.781-796</p>	0	0	0	0	0	0	0
<p>⊖</p>	0	0	0	0	0	0	0
<p>⊖</p>	0	0	0	0	1	0.5	1
<p>⊖</p>	0	0	0	1	0	0.5	1
<p>⊖</p>	0	0	0	2	0	1	2
	0	0	0	1	1	0.67	2

⊖								
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⊖		0	0	0	1	0	0.33	1
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⊖								
⊖	0	0	1	3	0	1.33	4	
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⊖							
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