

John Bosco Balaguru Rayappan

List of Publications by Year in descending order

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298
papers

8,642
citations

41258

49
h-index

64668

79
g-index

301
all docs

301
docs citations

301
times ranked

8347
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on detection of heavy metal ions in water – An electrochemical approach. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 515-533.	4.0	785
2	Electronic noses for food quality: A review. <i>Journal of Food Engineering</i> , 2015, 144, 103-111.	2.7	589
3	A highly selective room temperature ammonia sensor using spray deposited zinc oxide thin film. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 459-466.	4.0	223
4	Chaos based crossover and mutation for securing DICOM image. <i>Computers in Biology and Medicine</i> , 2016, 72, 170-184.	3.9	171
5	DNA Chaos Blend to Secure Medical Privacy. <i>IEEE Transactions on Nanobioscience</i> , 2017, 16, 850-858.	2.2	141
6	A highly selective and wide range ammonia sensor – Nanostructured ZnO:Co thin film. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 191, 41-50.	1.7	138
7	Effective Ammonia Detection Using n-ZnO/p-NiO Heterostructured Nanofibers. <i>IEEE Sensors Journal</i> , 2016, 16, 2477-2483.	2.4	129
8	An intelligent chaotic embedding approach to enhance stego-image quality. <i>Information Sciences</i> , 2012, 193, 115-124.	4.0	121
9	Selective detection of ammonia using spray pyrolysis deposited pure and nickel doped ZnO thin films. <i>Applied Surface Science</i> , 2014, 311, 405-412.	3.1	116
10	Simultaneous electrochemical detection of Cd(II), Pb(II), As(III) and Hg(II) ions using ruthenium(II)-textured graphene oxide nanocomposite. <i>Talanta</i> , 2017, 162, 574-582.	2.9	107
11	Stalling behaviour of chloride ions: A non-enzymatic electrochemical detection of \pm -Endosulfan using CuO interface. <i>Sensors and Actuators B: Chemical</i> , 2019, 293, 100-106.	4.0	107
12	Novel and facile synthesis of randomly interconnected ZnO nanoplatelets using spray pyrolysis and their room temperature sensing characteristics. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 125-133.	4.0	103
13	Synthesis and Characterization of Cerium Oxide Nanoparticles by Hydroxide Mediated Approach. <i>Journal of Applied Sciences</i> , 2012, 12, 1734-1737.	0.1	96
14	A highly sensitive humidity sensor based on DC reactive magnetron sputtered zinc oxide thin film. <i>Sensors and Actuators A: Physical</i> , 2010, 164, 8-14.	2.0	92
15	CO ₂ gas sensing properties of DC reactive magnetron sputtered ZnO thin film. <i>Ceramics International</i> , 2014, 40, 13115-13122.	2.3	92
16	Room temperature ammonia sensing properties of ZnO thin films grown by spray pyrolysis: Effect of Mg doping. <i>Journal of Alloys and Compounds</i> , 2016, 688, 422-429.	2.8	85
17	Development of electrochemical biosensor with ceria – PANI core – shell nano-interface for the detection of histamine. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 330-338.	4.0	84
18	Fabrication of lactate biosensor based on lactate dehydrogenase immobilized on cerium oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2013, 410, 158-164.	5.0	83

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19	Structural, morphological, electrical and vapour sensing properties of Mn doped nanostructured ZnO thin films. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 624-631.	4.0	78
20	Influence of copper doping on structural, optical and sensing properties of spray deposited zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2014, 582, 414-419.	2.8	78
21	ZnO nanoarchitectures: Ultrahigh sensitive room temperature acetaldehyde sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 343-351.	4.0	78
22	Random Image Steganography and Steganalysis: Present Status and Future Directions. <i>Information Technology Journal</i> , 2012, 11, 566-576.	0.3	76
23	Survey and Analysis of Hardware Cryptographic and Steganographic Systems on FPGA. <i>Journal of Applied Sciences</i> , 2012, 12, 201-210.	0.1	76
24	Electrochemical acetylcholinesterase biosensor based on ZnO nanocuboids modified platinum electrode for the detection of carbosulfan in rice. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1070-1077.	5.3	73
25	Room temperature chemiresistive gas sensors: challenges and strategies—a mini review. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15825-15847.	1.1	73
26	Room-temperature gas sensing of laser-modified anatase TiO ₂ decorated with Au nanoparticles. <i>Applied Surface Science</i> , 2020, 507, 145169.	3.1	72
27	Design and development of electrochemical biosensor for the simultaneous detection of melamine and urea in adulterated milk samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1283-1292.	4.0	69
28	OFDM+CDMA+Stego = Secure Communication: A Review. <i>Research Journal of Information Technology</i> , 2012, 4, 31-46.	0.4	69
29	Pixel Forefinger for Gray in Color: A Layer by Layer Stego. <i>Information Technology Journal</i> , 2011, 11, 9-19.	0.3	66
30	Insights into g-C ₃ N ₄ as a chemi-resistive gas sensor for VOCs and humidity—a review of the state of the art and recent advancements. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10612-10651.	5.2	65
31	Brownian Motion of Binary and Gray-Binary and Gray Bits in Image for Stego. <i>Journal of Applied Sciences</i> , 2012, 12, 428-439.	0.1	65
32	Inverted Pattern in Inverted Time Domain for Icon Steganography. <i>Information Technology Journal</i> , 2012, 11, 587-595.	0.3	64
33	Lightweight chaotic image encryption algorithm for real-time embedded system: Implementation and analysis on 32-bit microcontroller. <i>Microprocessors and Microsystems</i> , 2018, 56, 1-12.	1.8	63
34	Room temperature ethanol sensing properties of ZnO nanorods prepared using an electrospinning technique. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10869-10880.	2.7	62
35	Nanostructured ZnO on cotton fabrics—a novel flexible gas sensor & UV filter. <i>Journal of Cleaner Production</i> , 2018, 194, 372-382.	4.6	62
36	Heptazine based organic framework as a chemiresistive sensor for ammonia detection at room temperature. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18389-18395.	5.2	61

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37	Fabrication of screen-printed electrodes: opportunities and challenges. <i>Journal of Materials Science</i> , 2021, 56, 8951-9006.	1.7	61
38	Firmware for Data Security: A Review. <i>Research Journal of Information Technology</i> , 2012, 4, 61-72.	0.4	60
39	Growth and characterization of spray pyrolysis deposited copper oxide thin films: Influence of substrate and annealing temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 111, 272-277.	2.6	59
40	Pixel Authorized by Pixel to Trace with SFC on Image to Sabotage Data Mugger: A Comparative Study on PI Stego. <i>Research Journal of Information Technology</i> , 2012, 4, 124-139.	0.4	59
41	Nanostructured Cerium-doped ZnO thin film "A breath sensor. <i>Ceramics International</i> , 2016, 42, 18289-18295.	2.3	57
42	Growth of Eshelby twisted ZnO nanowires through nanoflakes & nanoflowers: A room temperature ammonia sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 129-143.	4.0	57
43	Monomer: Design of ZnO Nanostructures (Nanobush and Nanowire) and Their Room-Temperature Ethanol Vapor Sensing Signatures. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38135-38145.	4.0	56
44	Methylglyoxal "An emerging biomarker for diabetes mellitus diagnosis and its detection methods. <i>Biosensors and Bioelectronics</i> , 2019, 133, 107-124.	5.3	56
45	Medical data sheet in safe havens "A tri-layer cryptic solution. <i>Computers in Biology and Medicine</i> , 2015, 62, 264-276.	3.9	53
46	Regulated OFDM-Role of ECC and ANN: A Review. <i>Journal of Applied Sciences</i> , 2012, 12, 301-314.	0.1	53
47	An Electronic Nose for Royal Delicious Apple Quality Assessment "A Tri-layer Approach. <i>Food Research International</i> , 2018, 109, 44-51.	2.9	52
48	Hopfield attractor-trusted neural network: an attack-resistant image encryption. <i>Neural Computing and Applications</i> , 2020, 32, 11477-11489.	3.2	52
49	Steganography-Time to Time: A Review. <i>Research Journal of Information Technology</i> , 2013, 5, 53-66.	0.4	52
50	An electrochemical biosensor with nanointerface for lactate detection based on lactate dehydrogenase immobilized on zinc oxide nanorods. <i>Journal of Colloid and Interface Science</i> , 2014, 414, 90-96.	5.0	51
51	Effect of nickel doping on structural, optical, electrical and ethanol sensing properties of spray deposited nanostructured ZnO thin films. <i>Ceramics International</i> , 2014, 40, 7993-8001.	2.3	49
52	Nanostructured flower like V2O5 thin films and its room temperature sensing characteristics. <i>Ceramics International</i> , 2015, 41, 2221-2227.	2.3	49
53	Facile synthesis of ZnO nanostructures by spray pyrolysis technique and its application as highly selective H2S sensor. <i>Materials Letters</i> , 2015, 158, 373-376.	1.3	47
54	Development of an acetone sensor using nanostructured Co ₃ O ₄ thin films for exhaled breath analysis. <i>RSC Advances</i> , 2019, 9, 30226-30239.	1.7	47

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55	Phase for Face saving-a multicarrier Stego. <i>Procedia Engineering</i> , 2012, 30, 790-797.	1.2	46
56	A novel nano-interfaced superoxide biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 884-892.	4.0	46
57	Hydrogen peroxide biosensor utilizing a hybrid nano-interface of iron oxide nanoparticles and carbon nanotubes to assess the quality of milk. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 166-173.	4.0	46
58	Ring oscillator as confusion " diffusion agent: a complete TRNG drove image security. <i>IET Image Processing</i> , 2020, 14, 2987-2997.	1.4	42
59	Encryption and watermark-treated medical image against hacking disease"An immune convention in spatial and frequency domains. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 159, 11-21.	2.6	39
60	"Nano" An Emerging Avenue in Electrochemical Detection of Neurotransmitters. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4024-4047.	1.7	39
61	Horse Riding & Hiding in Image for Data Guarding. <i>Procedia Engineering</i> , 2012, 30, 36-44.	1.2	38
62	Influence of precursor concentration on structural, morphological and electrical properties of spray deposited ZnO thin films. <i>Crystal Research and Technology</i> , 2011, 46, 685-690.	0.6	37
63	Triple chaotic image scrambling on RGB " a random image encryption approach. <i>Security and Communication Networks</i> , 2015, 8, 3335-3345.	1.0	37
64	Networked medical data sharing on secure medium " A web publishing mode for DICOM viewer with three layer authentication. <i>Journal of Biomedical Informatics</i> , 2018, 86, 90-105.	2.5	37
65	Electrochemical sensing platform for the determination of arsenite and arsenate using electroactive nanocomposite electrode. <i>Chemical Engineering Journal</i> , 2018, 351, 319-327.	6.6	37
66	Development of electrochemical biosensor with nano-interface for xanthine sensing " A novel approach for fish freshness estimation. <i>Food Chemistry</i> , 2013, 139, 963-969.	4.2	36
67	Racetrack Effect on the Dissimilar Sensing Response of ZnO Thin Film"An Anisotropy of Isotropy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24924-24932.	4.0	36
68	Metal Organic Framework Functionalized Textiles as Protective Clothing for the Detection and Detoxification of Chemical Warfare Agents"A Review. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 4218-4239.	1.8	36
69	Nanostructured mixed ZnO and CdO thin film for selective ethanol sensing. <i>Materials Letters</i> , 2012, 77, 117-120.	1.3	35
70	Fast Classification of Meat Spoilage Markers Using Nanostructured ZnO Thin Films and Unsupervised Feature Learning. <i>Sensors</i> , 2013, 13, 1578-1592.	2.1	35
71	Freshness Assessment of Broccoli using Electronic Nose. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 735-743.	2.5	35
72	Nanostructured ceria thin film for ethanol and trimethylamine sensing. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 19-26.	4.0	34

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73	Nano interfaced biosensor for detection of choline in triple negative breast cancer cells. Journal of Colloid and Interface Science, 2016, 462, 334-340.	5.0	34
74	Tuning selectivity through cobalt doping in spray pyrolysis deposited ZnO thin films. Ceramics International, 2016, 42, 1408-1415.	2.3	33
75	Nanostructured ZnO thin film for hydrogen peroxide sensing. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1804-1808.	1.3	32
76	A simple and template free synthesis of branched ZnO nanoarchitectures for sensor applications. RSC Advances, 2014, 4, 64075-64084.	1.7	32
77	Fabrication of mediator-free hybrid nano-interfaced electrochemical biosensor for monitoring cancer cell proliferation. Biosensors and Bioelectronics, 2017, 87, 832-841.	5.3	32
78	Electrochemical biosensor with ceria-polyaniline core shell nano-interface for the detection of carbonic acid in blood. Journal of Colloid and Interface Science, 2014, 425, 52-58.	5.0	31
79	Functionalized Graphene Quantum Dot Interfaced Electrochemical Detection of Cardiac Troponin I: An Antibody Free Approach. Scientific Reports, 2019, 9, 17348.	1.6	31
80	Electrocatalytic nanocauliflower structured fluorine doped CdO thin film as a potential arsenic sensor. Sensors and Actuators B: Chemical, 2016, 234, 426-434.	4.0	30
81	A framework for analysing E-Nose data based on fuzzy set multiple linear regression: Paddy quality assessment. Sensors and Actuators A: Physical, 2017, 267, 200-209.	2.0	30
82	A novel electrochemical sensor based on a nickel-metal organic framework for efficient electrocatalytic oxidation and rapid detection of lactate. New Journal of Chemistry, 2018, 42, 11839-11846.	1.4	30
83	Selective recognition of hydrogen sulfide using template and catalyst free grown ZnO nanorods. RSC Advances, 2015, 5, 54952-54962.	1.7	29
84	Simultaneous detection of monocrotophos and dichlorvos in orange samples using acetylcholinesterase-zinc oxide modified platinum electrode with linear regression calibration. Sensors and Actuators B: Chemical, 2016, 230, 306-313.	4.0	29
85	V2O5 nanofibers: Potential contestant for high performance xylene sensor. Journal of Alloys and Compounds, 2018, 731, 805-812.	2.8	29
86	NiO Nanoflower Modified Cotton Fabric for UV Filter and Gas Sensing Applications. ACS Applied Materials & Interfaces, 2019, 11, 20045-20055.	4.0	29
87	Nanotechnology-based electrochemical detection strategies for hypertension markers. Biosensors and Bioelectronics, 2018, 116, 67-80.	5.3	28
88	Development and evaluation of a highly sensitive rapid response enzymatic nanointerfaced biosensor for detection of putrescine. Analyst, The, 2011, 136, 5234.	1.7	27
89	Solvent volume driven ZnO nanopetals thin films: Spray pyrolysis. Materials Letters, 2014, 134, 47-50.	1.3	27
90	Encrypted Biography of Biomedical Image - a Pentlayer Cryptosystem on FPGA. Journal of Signal Processing Systems, 2019, 91, 475-501.	1.4	27

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91	Green preparation of reduced graphene oxide by Bougainvillea glabra flower extract and sensing application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14345-14356.	1.1	27
92	Development of electronic nose (Shrimp-Nose) for the determination of perishable quality and shelf-life of cultured Pacific white shrimp (<i>Litopenaeus Vannamei</i>). <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128192.	4.0	27
93	Pixel scattering matrix formalism for image encryption—A key scheduled substitution and diffusion approach. <i>AEU - International Journal of Electronics and Communications</i> , 2015, 69, 562-572.	1.7	26
94	Design and development of amperometric biosensor for the detection of lead and mercury ions in water matrix—a permeability approach. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4257-4266.	1.9	26
95	Networked hardware assisted key image and chaotic attractors for secure RGB image communication. <i>Multimedia Tools and Applications</i> , 2018, 77, 23449-23482.	2.6	26
96	Electrochemical enzymeless detection of superoxide employing naringin—copper decorated electrodes. <i>Biosensors and Bioelectronics</i> , 2014, 59, 134-139.	5.3	25
97	Transreceiving of encrypted medical image — a cognitive approach. <i>Multimedia Tools and Applications</i> , 2018, 77, 8393-8418.	2.6	25
98	ON Chip peripherals are ON for chaos — an image fused encryption. <i>Microprocessors and Microsystems</i> , 2018, 61, 257-278.	1.8	25
99	Fluorine doped ZnO thin film as acetaldehyde sensor. <i>Semiconductor Science and Technology</i> , 2018, 33, 095005.	1.0	25
100	Influence of calcination temperature on the growth of electrospun multi-junction ZnO nanowires: A room temperature ammonia sensor. <i>Materials Science in Semiconductor Processing</i> , 2020, 112, 105006.	1.9	25
101	Amperometric determination of As(III) and Cd(II) using a platinum electrode modified with acetylcholinesterase, ruthenium(II)-tris(bipyridine) and graphene oxide. <i>Mikrochimica Acta</i> , 2018, 185, 297.	2.5	24
102	Neural-assisted image-dependent encryption scheme for medical image cloud storage. <i>Neural Computing and Applications</i> , 2021, 33, 6671-6684.	3.2	24
103	Evaluation of the Chemical Composition and Anti Nutritional Factors Levels of Different Thermally Processed Soybeans. <i>Research Journal of Information Technology</i> , 2012, 4, 220-227.	0.4	24
104	Impact of annealing duration on spray pyrolysis deposited nanostructured zinc oxide thin films. <i>Superlattices and Microstructures</i> , 2014, 67, 82-87.	1.4	23
105	Zinc oxide surface: a versatile nanoplatform for solvent-free synthesis of diverse isatin derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 3472-3475.	0.7	23
106	Fabrication of PANI—ZnO nanocomposite thin film for room temperature methanol sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10799-10805.	1.1	23
107	Investigations on room temperature dual sensitization of ZnO nanostructures towards fish quality biomarkers. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127082.	4.0	23
108	Tri-layer stego for enhanced security - a keyless random approach. , 2009, , .		22

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109	Hybrid image crypto system for secure image communicationâ€™ A VLSI approach. Microprocessors and Microsystems, 2017, 50, 1-13.	1.8	22
110	Fusion of confusion and diffusion: a novel image encryption approach. Telecommunication Systems, 2017, 65, 65-78.	1.6	22
111	Chaos triggered image encryption - a reconfigurable security solution. Multimedia Tools and Applications, 2018, 77, 11669-11692.	2.6	22
112	Synthesis and Characterization of Kapok Fibers and its Composites. Journal of Applied Sciences, 2012, 12, 1661-1665.	0.1	22
113	Electrospun tailored ZnO nanostructures â€™ role of chloride ions. RSC Advances, 2015, 5, 85363-85372.	1.7	21
114	Nano ceria as xylene sensor â€™ Role of cerium precursor. Journal of Alloys and Compounds, 2018, 753, 771-780.	2.8	21
115	Pixel Indicated Triple Layer: A Way for Random Image Steganography. Research Journal of Information Technology, 2013, 5, 87-99.	0.4	21
116	Wave (let) decide choosy pixel embedding for stego. , 2011, , .		20
117	Steg-OFDM blend for highly secure multi-user communication. , 2011, , .		20
118	Lipase immobilized on nanostructured cerium oxide thin film coated on transparent conducting oxide electrode for butyryl sensing. Materials Chemistry and Physics, 2013, 137, 892-897.	2.0	20
119	Synthesis, Characterization and Adsorption Capability of MOF-5. Asian Journal of Scientific Research, 2012, 5, 247-254.	0.3	20
120	Optimum Pixel and Bit location for Colour Image Stego- A Distortion Resistant Approach. International Journal of Computer Applications, 2010, 10, 17-24.	0.2	20
121	Tamper-Resistant Secure Medical Image Carrier: An IWTâ€™SVDâ€™Chaosâ€™FPGA Combination. Arabian Journal for Science and Engineering, 2019, 44, 9561-9580.	1.7	19
122	YRBS coding with logistic map â€™ a novel Sanskrit aphorism and chaos for image encryption. Multimedia Tools and Applications, 2019, 78, 10513-10541.	2.6	19
123	A photoluminescence biosensor for the detection of <i>N</i>-acyl homoserine lactone using cysteamine functionalized ZnO nanoparticles for the early diagnosis of urinary tract infections. Journal of Materials Chemistry B, 2020, 8, 4228-4236.	2.9	19
124	ZnO Nanospheres to Nanorods â€™ Morphology Transition via Fe-doping. Superlattices and Microstructures, 2013, 62, 39-46.	1.4	18
125	Highly selective acetaldehyde sensor using solâ€™gel dip coated nano crystalline TiO2 thin film. Journal of Materials Science: Materials in Electronics, 2015, 26, 5135-5139.	1.1	18
126	A non-enzymatic two step catalytic reduction of methylglyoxal by nanostructured V 2 O 5 modified electrode. Biosensors and Bioelectronics, 2018, 103, 143-150.	5.3	18

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127	Analysis of Moisture Content in Beetroot using Fourier Transform Infrared Spectroscopy and by Principal Component Analysis. Scientific Reports, 2018, 8, 7996.	1.6	18
128	Stego in Multicarrier: A Phase Hidden Communication. Information Technology Journal, 2014, 13, 2011-2016.	0.3	18
129	A novel nanostructured iron oxide-gold bioelectrode for hydrogen peroxide sensing. Nanotechnology, 2011, 22, 265505.	1.3	17
130	A Room Temperature Methanol Vapour Sensor Based on Polyaniline Nanoparticles. Journal of Nanoscience and Nanotechnology, 2016, 16, 8315-8321.	0.9	17
131	Zinc oxide nanoparticles-based electrochemical sensor for the detection of nitrate ions in water with a low detection limit—a chemometric approach. Journal of Analytical Chemistry, 2017, 72, 316-326.	0.4	17
132	Mind Game for Cover Steganography: A Refuge. Research Journal of Information Technology, 2013, 5, 137-148.	0.4	17
133	Pixel Indicated User Indicator: A Muxed Stego. Research Journal of Information Technology, 2013, 5, 73-86.	0.4	17
134	Reversible Steganography on OFDM Channel: A Role of Cyclic Codes. Information Technology Journal, 2014, 13, 2047-2051.	0.3	17
135	Purposeful Error on OFDM: A Secret Channel. Information Technology Journal, 2014, 13, 1985-1991.	0.3	17
136	Covered CDMA multi-user writing on spatially divided image. , 2011, , .		16
137	Cyclic voltammetric acetylcholinesterase biosensor for the detection of captan in apple samples with the aid of chemometrics. Analytical and Bioanalytical Chemistry, 2015, 407, 4863-4868.	1.9	16
138	Electrochemical Detection of Imidacloprid Using Cu-rGO Composite Nanofibers Modified Glassy Carbon Electrode. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 449-454.	1.3	16
139	ROI-based medical image watermarking for accurate tamper detection, localisation and recovery. Medical and Biological Engineering and Computing, 2021, 59, 1355-1372.	1.6	16
140	Stego on FPGA: An IWT Approach. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	15
141	Chemi-resistive sensing of methylamine species using twinned $\text{I}\pm\text{-MoO}_3$ nanorods: Role of grain features, activation energy and surface defects. Sensors and Actuators B: Chemical, 2021, 349, 130759.	4.0	15
142	Metal Organic Framework (MOF-5) For Sensing of Volatile Organic Compounds. Journal of Applied Sciences, 2012, 12, 1681-1685.	0.1	15
143	Principles and Recent Advances in Biosensors for Pathogens Detection. ChemistrySelect, 2021, 6, 10063-10091.	0.7	15
144	Ferricyanide/reduced graphene oxide as electron mediator for the electrochemical detection of methanol in canned citrus sinensis and citrus limetta. Sensors and Actuators B: Chemical, 2017, 248, 708-717.	4.0	14

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145	Hierarchically connected electrospun WO ₃ nanowires " An acetaldehyde sensor. Journal of Alloys and Compounds, 2021, 863, 158407.	2.8	14
146	Synthesis and Characterization of MOF-199: A Potential Sensing Material. Journal of Applied Sciences, 2012, 12, 1778-1780.	0.1	14
147	Humming Bird with Coloured Wings: A Feedback Security Approach. Information Technology Journal, 2014, 13, 2022-2026.	0.3	14
148	Fabrication of GQD-Electrodeposited Screen-Printed Carbon Electrodes for the Detection of the CRP Biomarker. ACS Omega, 2021, 6, 32528-32536.	1.6	14
149	Determination of Putrescine in Tiger Prawn Using an Amperometric Biosensor Based on Immobilization of Diamine Oxidase onto Ceria Nanospheres. Food and Bioprocess Technology, 2016, 9, 717-724.	2.6	13
150	Wavelet Pave the Trio Travel for a Secret Mission " A Stego Vision. Communications in Computer and Information Science, 2012, , 212-221.	0.4	13
151	Room temperature ZnO/NiO heterostructure sensing response: A breath biomarker sensor. Journal of Alloys and Compounds, 2022, 914, 165224.	2.8	13
152	Chemically synthesized butein and butin: Optical, structure and electrochemical redox functionality at electrode interface. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 122-129.	1.7	12
153	A facile microwave synthesis of rGO, ZrO ₂ and rGO"ZrO ₂ nanocomposite and their room temperature gas sensing properties. Journal of Materials Science: Materials in Electronics, 2019, 30, 17094-17105.	1.1	12
154	Highly crystalline {010} facet grown $\hat{\pm}$ -MoO ₃ nanobelts for resistive sensing of n-butanol vapor at room temperature. Mikrochimica Acta, 2019, 186, 797.	2.5	12
155	Entropy Influenced RNA Diffused Quantum Chaos to Conserve Medical Data Privacy. International Journal of Theoretical Physics, 2019, 58, 1937-1956.	0.5	12
156	Growth of $\hat{\pm}$ -MoO ₃ Golf Ball Architectures with Interlocking Loops for Selective Probing of Trimethylamine at Room Temperature. Materials Research Bulletin, 2020, 130, 110944.	2.7	12
157	Uncover the cover to recover the hidden secret - A separable reversible data hiding framework. Multimedia Tools and Applications, 2021, 80, 19695-19714.	2.6	12
158	Captivating CODEC Stego (CCS): A Cover on Camouflage. Research Journal of Information Technology, 2013, 5, 160-170.	0.4	12
159	Ru quantum dots decorated graphitic carbon nitride (Ru-QDs@g-CN) for chemi-resistive sensing of 3-methyl-1-butanol at room temperature. Sensors and Actuators B: Chemical, 2022, 368, 132060.	4.0	12
160	MSB over hides LSB — A dark communication with integrity. , 2011, , .		11
161	Calcium carbide in mangoes: an electrochemical way for detection. Analytical Methods, 2016, 8, 4590-4599.	1.3	11
162	Estimation of methylglyoxal in cow milk " an accurate electrochemical response time based approach. Analytical Methods, 2016, 8, 2207-2217.	1.3	11

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163	Fabrication of electrochemical biosensor with vanadium pentoxide nano-interface for the detection of methylglyoxal in rice. <i>Analytical Biochemistry</i> , 2017, 528, 19-25.	1.1	11
164	PANIâ€“CdO Nanocomposite Thin Films as a Room Temperature Methanol Sensor. <i>Journal of Electronic Materials</i> , 2018, 47, 6000-6006.	1.0	11
165	Reversible data hiding method based on pixel expansion and homomorphic encryption. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 2977-2990.	0.8	11
166	Influence of PVA templates on the synthesis of interconnected and long-winded electrospun V2O5 nanowires â€“ Acetone sensor. <i>Materials Research Bulletin</i> , 2021, 139, 111276.	2.7	11
167	Influence of pH on Structural Morphology of ZnO Nanoparticle. <i>Journal of Applied Sciences</i> , 2012, 12, 1758-1761.	0.1	11
168	Thermal properties of 1T-TaS2 at the onset of charge density wave states. <i>Physica B: Condensed Matter</i> , 2010, 405, 3172-3175.	1.3	10
169	ETHANOL AND TRIMETHYL AMINE SENSING BY ZnO-BASED NANOSTRUCTURED THIN FILMS. <i>International Journal of Nanoscience</i> , 2011, 10, 1161-1165.	0.4	10
170	Who decides hiding capacity? I, the pixel intensity. , 2012, , .		10
171	Non-mutually exclusive dual role of hexamethylenetetramine on the growth of ZnO nanostructures and their sensing footprints. <i>Materials Chemistry and Physics</i> , 2018, 212, 394-402.	2.0	10
172	Fabrication of Biobased Hydrophobic Hybrid Cotton Fabrics Using Molecular Self-Assembly: Applications in the Development of Gas Sensor Fabrics. <i>ACS Omega</i> , 2020, 5, 3839-3848.	1.6	10
173	Spray Deposited Nanostructured Zinc Oxide Thin Film as Room Temperature Ethanol Sensorâ€“Role of Annealing. <i>Sensor Letters</i> , 2013, 11, 1956-1959.	0.4	10
174	Galois Field Proficient Product for Secure Image Encryption on FPGA. <i>Research Journal of Information Technology</i> , 2014, 6, 308-324.	0.4	10
175	Chaos assisted variable bit steganography in transform domain. <i>Electronics Letters</i> , 2018, 54, 1332-1334.	0.5	9
176	Smart supramolecular gels of enolizable amphiphilic glycosylfuran. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6238-6246.	2.9	9
177	A high payload separable reversible data hiding in cipher image with good decipher image quality. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 6403-6414.	0.8	9
178	Chemometric Analysis for the Determination of Methylglyoxal in Grilled Chicken Using ZnO Flakes Based Glyoxalase 1 Biosensor. <i>Sensor Letters</i> , 2015, 13, 245-253.	0.4	9
179	Preparation, Characterization and Chemical Sensing Properties of Polyaniline Thin Films. <i>Journal of Applied Sciences</i> , 2012, 12, 1710-1713.	0.1	9
180	Dual Cellular Automata on FPGA: An Image Encryptors Chip. <i>Research Journal of Information Technology</i> , 2014, 6, 223-236.	0.4	9

#	ARTICLE	IF	CITATIONS
181	Logic Elements Consumption Analysis of Cellular Automata Based Image Encryption on FPGA. Research Journal of Information Technology, 2014, 6, 291-307.	0.4	9
182	Evaluation of Inhibition Efficiency for the Detection of Captan, 2,3,7,8-Tetrachlorodibenzodioxin, Pentachlorophenol and Carbosulfan in Water: An Electrochemical Approach. Bulletin of Environmental Contamination and Toxicology, 2016, 96, 217-223.	1.3	8
183	Non-enzymatic detection of glucose in fruits using TiO ₂ â€Mn ₃ O ₄ hybrid nano interface. Applied Nanoscience (Switzerland), 2017, 7, 309-316.	1.6	8
184	Fabrication of an electrochemical biosensor with ZnO nanoflakes interface for methylglyoxal quantification in food samples. Food Science and Biotechnology, 2018, 27, 9-17.	1.2	8
185	ATR-FTIR as a versatile analytical tool for the rapid determination of storage life of fresh Agaricus bisporus via its moisture content. Postharvest Biology and Technology, 2019, 154, 159-168.	2.9	8
186	S,Nâ€GQDs Enzyme Mimicked Electrochemical Sensor to Detect the Hazardous Level of Monocrotophos in Water. Electroanalysis, 2020, 32, 971-977.	1.5	8
187	Con(dif)fused voice to convey secret: a dual-domain approach. Multimedia Systems, 2020, 26, 301-311.	3.0	8
188	Thickness Dependent Room Temperature Sensing Properties of Spray Pyrolysis Deposited Nanostructured ZnO Thin Films. Nanoscience and Nanotechnology Letters, 2015, 7, 885-891.	0.4	8
189	OFDM with Low PAPR: A Novel Role of Partial Transmit Sequence. Research Journal of Information Technology, 2013, 5, 35-44.	0.4	8
190	Boron induced c-axis growth and ammonia sensing signatures of spray pyrolysis deposited ZnO thin films â€ Relation between crystallinity and sensing. Thin Solid Films, 2022, 746, 139126.	0.8	8
191	Electrochemical Sensing of Arsenic Ions Using a Covalently Functionalized Benzotriazoleâ€Reduced Graphene Oxideâ€Modified Screenâ€Printed Carbon Electrode. ChemistrySelect, 2022, 7, .	0.7	8
192	Modulation of hiding intensity by channel intensity - Stego by pixel commando. , 2012, , .		7
193	Random & AWGN road for MC-CDMA & CDMA bus to phase hide — A MUX in MUX stego. , 2012, , .		7
194	Multiplexed stego path on reconfigurable hardware: A novel random approach. Computers and Electrical Engineering, 2016, 55, 153-163.	3.0	7
195	Image encryption through RNA approach assisted with neural key sequences. Multimedia Tools and Applications, 2020, 79, 12093-12124.	2.6	7
196	A Multiple Approach Combined with Portable Electronic Nose for Assessment of Post-harvest Sapota Contamination by Foodborne Pathogens. Food and Bioprocess Technology, 2020, 13, 1193-1205.	2.6	7
197	SILAR-deposited nanostructured ZnO thin films: effect of deposition cycles on surface properties. Bulletin of Materials Science, 2021, 44, 1.	0.8	7
198	A metal-free mesoporous g-C ₃ N ₄ nanosheets for selective and sensitive recognition of ethanol at room temperature. Sensors and Actuators B: Chemical, 2021, 349, 130828.	4.0	7

#	ARTICLE	IF	CITATIONS
199	Spray Pyrolysis Deposited ZnO Nanopebbles as Room Temperature Ammonia Sensor. <i>Sensor Letters</i> , 2014, 12, 1451-1456.	0.4	7
200	Optimization of Electrochemical Parameters for Specific Blood Methylglyoxal Determination Using ZnO Sepals Based Glyoxalase 1 Biosensor. <i>Sensor Letters</i> , 2015, 13, 328-337.	0.4	7
201	An Electrochemical Biosensor with Nano-Interface for Lactate Detection Based on Lactate Dehydrogenase Immobilized on Iron Oxide Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 242-249.	0.4	6
202	Substrate Temperature Effects on Room Temperature Sensing Properties of Nanostructured ZnO Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 489-496.	0.9	6
203	Simultaneous voltammetric determination of captan, carbosulfan, 2,3,7,8-tetrachlorodibenzodioxin and pentachlorophenol in groundwater by ceria nanospheres decorated platinum electrode and chemometrics. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 109, 130-136.	2.5	6
204	A low power ammonia sensor node embedded with a light weight non-linear analytics. <i>Sensors and Actuators A: Physical</i> , 2017, 263, 357-362.	2.0	6
205	Enzyme-free monitoring of glucose utilization in stimulated macrophages using carbon nanotube-decorated electrochemical sensor. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 773-780.	1.6	6
206	Indicator-based lightweight steganography on 32-bit RISC architectures for IoT security. <i>Multimedia Tools and Applications</i> , 2019, 78, 31485-31513.	2.6	6
207	Metabolic Syndrome—An Emerging Constellation of Risk Factors: Electrochemical Detection Strategies. <i>Sensors</i> , 2020, 20, 103.	2.1	6
208	Electroactive Manganese Oxide—Reduced Graphene Oxide Interfaced Electrochemical Detection of Urea. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	6
209	A Simple and Novel Room Temperature Ethanolamine ZnO Nanosensor. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 1046-1052.	0.4	6
210	Theoretical Investigation of Surface Coverage in the Electrochemical Behaviour of Enzyme Modified Electrodes. <i>Sensor Letters</i> , 2015, 13, 344-348.	0.4	6
211	Nanostructured Copper Oxide Thin Film for Ethanol Vapor Sensing. <i>Journal of Applied Sciences</i> , 2012, 12, 1656-1660.	0.1	6
212	Spray Coated Nanostructured Nickel Oxide Thin Films for Ethanol Sensing. <i>Journal of Applied Sciences</i> , 2012, 12, 1686-1690.	0.1	6
213	Why Information Security Demands Transform Domain, Compression and Encryption?. <i>Journal of Artificial Intelligence</i> , 2014, 7, 136-144.	0.7	6
214	Chain of Shuffling and Chaos: A Tied Cryptic Approach. <i>Asian Journal of Scientific Research</i> , 2015, 8, 359-366.	0.3	6
215	Chemometrics on Ceria-Polyaniline Modified Glassy Carbon Bioelectrode for Accurate Detection of Histamine in Fish. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 1911-1918.	0.4	5
216	Simultaneous detection of pentachlorophenol and 2,3,7,8-tetrachlorodibenzodioxin in guar gum—an electrochemical approach. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 309-322.	1.5	5

#	ARTICLE	IF	CITATIONS
217	Design and Development of Acetylthiocholine Electrochemical Biosensor Based on Zinc Oxideâ€“Cerium Oxide Nanohybrid Modified Platinum Electrode. Bulletin of Environmental Contamination and Toxicology, 2017, 98, 662-671.	1.3	5
218	Tamper Proofing Identification and Authenticated DICOM Image Transmission Using Wireless Channels and CR Network. Wireless Personal Communications, 2017, 97, 5573-5595.	1.8	5
219	Exploring hesperidin-copper complex as an enzyme mimic for monitoring macrophage activity. Journal of Solid State Electrochemistry, 2018, 22, 1893-1899.	1.2	5
220	Wavelet based spectral approach for solving surface coverage model in an electrochemical arsenic sensor - An operational matrix approach. Electrochimica Acta, 2018, 266, 27-33.	2.6	5
221	Light Weight Steganography on RISC Platform-Implementation and Analysis. Asian Journal of Scientific Research, 2015, 8, 278-290.	0.3	5
222	Space Filling Curve for Data Filling: An Embedded Security Approach. Research Journal of Information Technology, 2014, 6, 188-197.	0.4	5
223	Audio Fingerprint Indicator in Embedded Platform: A Way for Hardware Steganography. Journal of Artificial Intelligence, 2014, 7, 82-93.	0.7	5
224	Photoluminescence-Based Bioassay With Cysteamine-Capped TiO ₂ Nanoparticles for the Selective Recognition of N-Acyl Homoserine Lactones. Frontiers in Bioengineering and Biotechnology, 2021, 9, 750933.	2.0	5
225	Amperometric Detection of Mercury Ions Using Piperazineâ€“Functionalized Reduced Graphene Oxide as an Efficient Sensing Platform. ChemistrySelect, 2022, 7, .	0.7	5
226	Graphene Quantum Dots â€“ Hydrothermal Green Synthesis, Material Characterization and Prospects for Cervical Cancer Diagnosis Applications: A Review. ChemistrySelect, 2022, 7, .	0.7	5
227	LATTICE INSTABILITY OF 2H-TaSe ₂ . International Journal of Modern Physics B, 2002, 16, 4111-4125.	1.0	4
228	Standard deviation converges for random image steganography. , 2013, , .		4
229	Intersect embedding on OFDM channel — A stego perspective. , 2013, , .		4
230	Modulation of ZnO film thickness and formation of water-hyacinth nanostructure. EPJ Applied Physics, 2014, 67, 20301.	0.3	4
231	Non-Linearization of Modified Michaelis-Menten Kinetics. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2596-2602.	0.4	4
232	Implementation of extended Kalman filter-based simultaneous localization and mapping: a point feature approach. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 1495-1504.	0.8	4
233	Self-assembled sugar-based copper nanoparticles as trimethylamine sensor. Journal of Materials Science: Materials in Electronics, 2020, 31, 1594-1603.	1.1	4
234	Horse DNA Runs on Image: A Novel Road to Image Encryption. Research Journal of Information Technology, 2016, 8, 1-9.	0.4	4

#	ARTICLE	IF	CITATIONS
235	Graphical Password Authentication Scheme for Embedded Platform. Journal of Artificial Intelligence, 2014, 7, 161-171.	0.7	4
236	Development of an Electrodeposited Graphene Quantum Dot Electrode for the Electrochemical Detection of C-reactive Protein (CRP) Biomarker. ChemistrySelect, 2022, 7, .	0.7	4
237	Specific Study on 1T-TaSe ₂ in the Context of Commensurate Charge Density Wave. Physica Status Solidi (B): Basic Research, 2001, 223, 779-784.	0.7	3
238	Chemometric Methods for the Evaluation of Electron Transfer Properties of Zinc Oxide Nanorods Modified Gold Electrode for Lactate Detection in Food Products. Journal of Computational and Theoretical Nanoscience, 2015, 12, 407-412.	0.4	3
239	A non-enzymatic electrochemical biosensor for the detection of formalin levels in fishes: Realization of a novel comparator effect based on electrolyte. Analytica Chimica Acta, 2020, 1139, 50-58.	2.6	3
240	Activation of edge plane pyrolytic graphite in screen printed carbon electrodes on OHP sheet, Whatman paper and textile substrates. Journal of Applied Electrochemistry, 2020, 50, 559-567.	1.5	3
241	Microwave-assisted in-situ incorporation of nanostructured H ₂ WO ₄ on cotton cellulose for enhanced ultraviolet shielding applications. Applied Surface Science, 2021, 541, 148378.	3.1	3
242	Mutated Cleavages of Images for Stealth Disclosure: A Hopfield Neural Network Attractor (HNNA) Approach. Neural Processing Letters, 2021, 53, 907-928.	2.0	3
243	Room-temperature acetaldehyde-sensing properties of SILAR-deposited ZnO thin films: role of tungsten doping. Journal of Materials Science: Materials in Electronics, 2021, 32, 17700-17715.	1.1	3
244	ALRC: A Novel Adaptive Linear Regression Based Classification for Grade based Student Learning using Radio Frequency Identification. Wireless Personal Communications, 2020, 112, 2091-2107.	1.8	3
245	Fabrication of ZnO Based Optical Fibre for Ethanol Sensing Applications. Journal of Applied Sciences, 2012, 12, 1714-1717.	0.1	3
246	Confirmation of Ceria-polyaniline Core-shell Nanostructure: An Optical Approach. Journal of Applied Sciences, 2012, 12, 1750-1753.	0.1	3
247	NiOx modified cellulose cloth for the removal of U(VI) from water. Advanced Powder Technology, 2021, 32, 4343-4355.	2.0	3
248	Cryptic Cover for Covered Writing: A Pre-Layered Stego. Information Technology Journal, 2014, 13, 2524-2533.	0.3	3
249	Surface Modification of Textiles with Nanomaterials for Flexible Electronics Applications. Textile Science and Clothing Technology, 2020, , 1-42.	0.4	3
250	Design and Development of a Non-Enzymatic Electrochemical Biosensor for the Detection of Glutathione. Electroanalysis, 2023, 35, .	1.5	3
251	Smart bit manipulation for K bit encoded hiding in K-1 pixel bits. , 2011, , .		2
252	Pixel bit manipulation for encoded hiding — An inherent stego. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
253	Convolution & Viterbi EN(DE)coders on OFDM hides, rides & conveys message — A Neural STEGO. , 2013, , .		2
254	Electron Transfer Properties of Nano-Ceria Based Linear Voltammetric Biosensor for Tributyrin Detection. Journal of Computational and Theoretical Nanoscience, 2015, 12, 944-949.	0.4	2
255	A non-linear analytical model to estimate the response and recovery times of gaseous ammonia nanosensor. Measurement: Journal of the International Measurement Confederation, 2018, 125, 176-181.	2.5	2
256	MUX induced Ring oscillators for encrypted Nano communication via Quantum Dot Cellular Automata. Nano Communication Networks, 2021, 27, 100338.	1.6	2
257	Electrochemical Probing of H ₂ O ₂ Using TiO ₂ -ZrO ₂ -HfO ₂ Modified Glassy Carbon Electrode: A Promoted Sacrificial Behavior of Hf ⁴⁺ ions. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	2
258	Gas Sensing Studies on Nanocrystalline ZnO Thin Films Prepared by Dip Coating. Asian Journal of Applied Sciences, 2014, 7, 786-791.	0.4	2
259	Logistic and Standard Coupled Mapping on Pre and Post Shuffled Images: A Method of Image Encryption. Asian Journal of Scientific Research, 2016, 10, 10-23.	0.3	2
260	Effect of Least Variations in the Lattice Constant in the Lattice Dynamics of Nanostructured CdO. Journal of Applied Sciences, 2012, 12, 1726-1729.	0.1	2
261	Influence of Mn Doping on Physical Properties of Nanostructured CeO ₂ Thin Films. Journal of Applied Sciences, 2012, 12, 1738-1741.	0.1	2
262	Spray Deposited Thin Film Metal Oxide Based Heterojunction for Solar Cell Application. Journal of Applied Sciences, 2012, 12, 1742-1745.	0.1	2
263	Horse Communication against Harsh Attack: A Stego Ride. Research Journal of Information Technology, 2013, 5, 263-276.	0.4	2
264	Least Significant Bit but Quantum Bit: A Quasi Stego. Information Technology Journal, 2014, 13, 2544-2551.	0.3	2
265	Image Merger Encryptor: A Chaotic and Chebyshev Key Approach. Research Journal of Information Technology, 2016, 8, 10-16.	0.4	2
266	Lattice dynamics of the Ni _{0.3} Fe _{0.7} -H system. Physica Scripta, 2006, 73, 11-16.	1.2	1
267	Investigation of Electron Transfer Properties of Nanoceria Based Acetylcholine Biosensor Using Chemometric Methods. Journal of Computational and Theoretical Nanoscience, 2015, 12, 1652-1660.	0.4	1
268	A Mathematical Model for Predicting Dynamic Sensitivity of a Non-Linear Amperometric Biosensor Model. Journal of Computational and Theoretical Nanoscience, 2015, 12, 1076-1082.	0.4	1
269	Realization of Chaos-Based Private Multiprocessor Network Via USART of Embedded Devices. , 2019, , 323-340.		1
270	Application of ATR-FTIR for a rapid evaluation of storage life of fresh dwarf copperleaf via its moisture content. Food Packaging and Shelf Life, 2019, 21, 100343.	3.3	1

#	ARTICLE	IF	CITATIONS
271	Fabrication of a Nano-Interfaced Electrochemical Triglyceride Biosensor and its Potential Application towards Distinguishing Cancer and Normal Cells. ChemistrySelect, 2020, 5, 13492-13501.	0.7	1
272	Genetic and chaotic signatures in offspring " an encrypted generation of image family. Multimedia Tools and Applications, 2021, 80, 8581-8609.	2.6	1
273	Spatial Variation of Local Field by the Ag Nanoparticle on the PANI Matrix: A Non Linear Optics (NLO) Perspective. Journal of Applied Sciences, 2012, 12, 1691-1695.	0.1	1
274	Effect of Doping on Thermoelectric Property of Spray Deposited Nanostructured CdO Thin Films. Journal of Applied Sciences, 2012, 12, 1769-1771.	0.1	1
275	Key Decoded Cover for Random Image Steganography. Research Journal of Information Technology, 2013, 5, 171-180.	0.4	1
276	Image Hides Image: A Secret Stego Tri-layer Approach. Research Journal of Information Technology, 2013, 5, 249-255.	0.4	1
277	Compiler Optimization and Plain Text Pre-Processing to Hoist the Height of HIGHT in AVR Platform. Research Journal of Information Technology, 2014, 6, 356-367.	0.4	1
278	Transconductance of Nanostructured ZnO Based Thin Film Transistors. Journal of Computational and Theoretical Nanoscience, 2012, 9, 1551-1553.	0.4	0
279	DS-CDMA in stego pitch. , 2013, , .		0
280	Random hide to hide random — A stego affair encryption for We(e/a)k secret. , 2013, , .		0
281	Lennard "Jones on Silver Nanoparticles "An Empirical Approach. Journal of Computational and Theoretical Nanoscience, 2014, 11, 568-572.	0.4	0
282	Estimation of Michaelis-Meneten Constant and Maximum Rate of Reaction: A Nonlinear Approach. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2588-2595.	0.4	0
283	Hydrogen Diffusion in Graphane "A Green's Function Approach. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2185-2189.	0.4	0
284	Bio-Analytical Approach for the Consideration of Substrate Concentration in Inhibition Assay. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3183-3187.	0.4	0
285	Hydrogen Diffusion in Hydrogenated Nanostructured Mg₂Ni "A Green's Function Approach. Journal of Computational and Theoretical Nanoscience, 2015, 12, 413-417.	0.4	0
286	Extended Bio-Analytical Approach for the Determination of Potential Toxicants. Journal of Computational and Theoretical Nanoscience, 2015, 12, 88-93.	0.4	0
287	Evaluation of Electrochemical Parameters of Carbonic Acid Biosensor with the Aid of Multivariate Chemometric Analysis. Journal of Computational and Theoretical Nanoscience, 2015, 12, 2003-2010.	0.4	0
288	Open hiding for truncating hackers - a block truncation and wavelet approach. Multimedia Tools and Applications, 2019, 78, 9951-9969.	2.6	0

#	ARTICLE	IF	CITATIONS
289	Hybrid Random Number Generation Architecture for Mobile Registration Controller: A Reconfigurable Hardware Realization. <i>Wireless Personal Communications</i> , 2020, 115, 239-266.	1.8	0
290	Ag-PANI Matrix on Nanostructured ZnO: A Sensor Perspective. <i>Journal of Applied Sciences</i> , 2012, 12, 1624-1629.	0.1	0
291	Thermal Properties of Graphane: A Greens Function Approach. <i>Journal of Applied Sciences</i> , 2012, 12, 1746-1749.	0.1	0
292	Bio-hiding for Smart Swipe Card: A Secret Security. <i>Research Journal of Information Technology</i> , 2013, 5, 100-112.	0.4	0
293	Concealed to Protect and Protect to Conceal: A Conserved Stego Image. <i>Research Journal of Information Technology</i> , 2013, 5, 209-217.	0.4	0
294	Compressed and Encrypted Secret Hides in Image for Rugged Stego. <i>Research Journal of Information Technology</i> , 2013, 5, 234-241.	0.4	0
295	Effect of Precursor Volume on Spray Pyrolysis Deposited Nanostructured ZnO Thin Films. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014, 9, 529-533.	0.1	0
296	Hydrogen Diffusion in Nanostructured HfTi2: A Green's Function Approach. <i>Asian Journal of Applied Sciences</i> , 2014, 7, 705-712.	0.4	0
297	Different Parameter Analysis of Class-1 Generation-2 (C1G2) RFID System Using GNU Radio. , 2019, , 91-116.		0
298	LFSR-Keyed MUX for Random Number Generation in Nano Communication Using QCA. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 2020, , 70-83.	0.4	0