

# Dhanaraj Gopi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/795408/publications.pdf>

Version: 2024-02-01

134  
papers

3,696  
citations

94269

37  
h-index

174990

52  
g-index

139  
all docs

139  
docs citations

139  
times ranked

2982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel banana peel pectin mediated green route for the synthesis of hydroxyapatite nanoparticles and their spectral characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 589-597.	2.0	124
2	Strontium, cerium co-substituted hydroxyapatite nanoparticles: Synthesis, characterization, antibacterial activity towards prokaryotic strains and in vitro studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 451, 172-180.	2.3	111
3	A comparative study on the direct and pulsed current electrodeposition of hydroxyapatite coatings on surgical grade stainless steel. <i>Surface and Coatings Technology</i> , 2012, 206, 2859-2869.	2.2	108
4	Development of carbon nanotubes reinforced hydroxyapatite composite coatings on titanium by electrodeposition method. <i>Corrosion Science</i> , 2013, 73, 321-330.	3.0	102
5	Synthesis and spectral characterization of silver/magnesium co-substituted hydroxyapatite for biomedical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 286-291.	2.0	100
6	Corrosion protection performance of porous strontium hydroxyapatite coating on polypyrrole coated 316L stainless steel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 107, 130-136.	2.5	84
7	A study on new benzotriazole derivatives as inhibitors on copper corrosion in ground water. <i>Corrosion Science</i> , 2009, 51, 2259-2265.	3.0	79
8	In vitro biological performance of minerals substituted hydroxyapatite coating by pulsed electrodeposition method. <i>Materials Chemistry and Physics</i> , 2014, 144, 75-85.	2.0	77
9	Synthesis of hydroxyapatite nanoparticles by a novel ultrasonic assisted with mixed hollow sphere template method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 131-134.	2.0	70
10	Investigation of triazole derived Schiff bases as corrosion inhibitors for mild steel in hydrochloric acid medium. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1349-1356.	1.5	67
11	Spectroscopic investigation on formation and growth of mineralized nanohydroxyapatite for bone tissue engineering applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 194-200.	2.0	60
12	Fabrication of a pH responsive DOX conjugated PEGylated palladium nanoparticle mediated drug delivery system: an in vitro and in vivo evaluation. <i>RSC Advances</i> , 2015, 5, 44998-45014.	1.7	57
13	A facile electrodeposition of hydroxyapatite onto borate passivated surgical grade stainless steel. <i>Corrosion Science</i> , 2011, 53, 2328-2334.	3.0	56
14	Development of strontium and magnesium substituted porous hydroxyapatite/poly(3,4-ethylenedioxythiophene) coating on surgical grade stainless steel and its bioactivity on osteoblast cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 234-240.	2.5	56
15	Corrosion and Corrosion Inhibition of Mild Steel in Groundwater at Different Temperatures by Newly Synthesized Benzotriazole and Phosphono Derivatives. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 4286-4294.	1.8	56
16	A novel green template assisted synthesis of hydroxyapatite nanorods and their spectral characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 196-202.	2.0	55
17	Sonochemical synthesis of nanostructured nickel hydroxide as an electrode material for improved electrochemical energy storage application. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 416-423.	1.8	54
18	Investigation of anticorrosive, antibacterial and in vitro biological properties of a sulphonated poly(etheretherketone)/strontium, cerium co-substituted hydroxyapatite composite coating developed on surface treated surgical grade stainless steel for orthopedic applications. <i>RSC Advances</i> , 2014, 4, 61525-61536.	1.7	51

#	ARTICLE	IF	CITATIONS
19	Single walled carbon nanotubes reinforced mineralized hydroxyapatite composite coatings on titanium for improved biocompatible implant applications. <i>RSC Advances</i> , 2015, 5, 36766-36778.	1.7	51
20	Nonlinear nano-scale localized breather modes in a discrete weak ferromagnetic spin lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 394-405.	1.0	51
21	Carbon Nanofiber/Polycaprolactone/Mineralized Hydroxyapatite Nanofibrous Scaffolds for Potential Orthopedic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6342-6355.	4.0	51
22	Spectroscopic investigations of nanohydroxyapatite powders synthesized by conventional and ultrasonic coupled sol-gel routes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 1243-1245.	2.0	50
23	<i>Opuntia ficus indica</i> peel derived pectin mediated hydroxyapatite nanoparticles: Synthesis, spectral characterization, biological and antimicrobial activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 141, 135-143.	2.0	48
24	Evaluation of hydroxyapatite coatings on borate passivated 316L SS in Ringer's solution. <i>Materials Science and Engineering C</i> , 2009, 29, 955-958.	3.8	47
25	Influence of ionic substitution in improving the biological property of carbon nanotubes reinforced hydroxyapatite composite coating on titanium for orthopedic applications. <i>Ceramics International</i> , 2015, 41, 5454-5463.	2.3	47
26	Tailoring the Sm/Gd-Substituted Hydroxyapatite Coating on Biomedical AISI 316L SS: Exploration of Corrosion Resistance, Protein Profiling, Osteocompatibility, and Osteogenic Differentiation for Orthopedic Implant Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 6331-6344.	1.8	46
27	HER2 Targeted Breast Cancer Therapy with Switchable Off/On-Multifunctional Smart-Magnetic Polymer Core-Shell Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2262-2279.	4.0	46
28	Carbon Nanotubes/Carboxymethyl Chitosan/Mineralized Hydroxyapatite Composite Coating on Ti-6Al-4V Alloy for Improved Mechanical and Biological Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 7660-7669.	1.8	45
29	Investigation on corrosion protection and mechanical performance of minerals substituted hydroxyapatite coating on HELCDEB-treated titanium using pulsed electrodeposition method. <i>RSC Advances</i> , 2014, 4, 34751-34759.	1.7	43
30	Development of asymmetric device using Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> as a positive electrode for energy storage application. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7435-7446.	1.1	43
31	Electrodeposition of a porous strontium-substituted hydroxyapatite/zinc oxide duplex layer on AZ91 magnesium alloy for orthopedic applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5531.	2.9	42
32	Exact solitary solutions of an inhomogeneous modified nonlinear Schrödinger equation with competing nonlinearities. <i>Mathematical and Computer Modelling</i> , 2011, 53, 1095-1110.	2.0	41
33	Surface and electrochemical characterization of pitting corrosion behaviour of 304 stainless steel in ground water media. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 439-449.	1.5	40
34	Fabrication of divalent ion substituted hydroxyapatite/gelatin nanocomposite coating on electron beam treated titanium: mechanical, anticorrosive, antibacterial and bioactive evaluations. <i>RSC Advances</i> , 2015, 5, 47341-47352.	1.7	40
35	Spectroscopic characterization of porous nanohydroxyapatite synthesized by a novel amino acid soft solution freezing method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 282-284.	2.0	39
36	Synthesis and spectroscopic characterization of magnetic hydroxyapatite nanocomposite using ultrasonic irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 245-250.	2.0	39

#	ARTICLE	IF	CITATIONS
37	Synthesis and spectroscopic investigations of hydroxyapatite using a green chelating agent as template. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 292-299.	2.0	39
38	Development of Ce <sup>3+</sup> /Eu <sup>3+</sup> Dual-Substituted Hydroxyapatite Coating on Surgical Grade Stainless Steel for Improved Antimicrobial and Bioactive Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 20145-20153.	1.8	38
39	Enhanced corrosion resistance of strontium hydroxyapatite coating on electron beam treated surgical grade stainless steel. <i>Applied Surface Science</i> , 2013, 286, 83-90.	3.1	37
40	Inhibiting effects of 4-amino-antipyrine based schiff base derivatives on the corrosion of mild steel in hydrochloric acid. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2345-2352.	1.5	36
41	Synthesis, characterization and corrosion protection properties of poly(N-vinyl carbazole-co-glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 312 Td (pyrr...	1.9	36
42	Breatherlike electromagnetic wave propagation in an antiferromagnetic medium with Dzyaloshinsky-Moriya interaction. <i>Physical Review E</i> , 2011, 84, 066608.	0.8	35
43	Ball flower like manganese, strontium substituted hydroxyapatite/cerium oxide dual coatings on the AZ91 Mg alloy with improved bioactive and corrosion resistance properties for implant applications. <i>RSC Advances</i> , 2015, 5, 27402-27411.	1.7	35
44	Modulational instability and nano-scale energy localization in ferromagnetic spin chain with higher order dispersive interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 404, 91-118.	1.0	35
45	Development of lotus-like hydroxyapatite coating on HELCDEB treated titanium by pulsed electrodeposition. <i>Materials Letters</i> , 2013, 105, 216-219.	1.3	34
46	Inhibition of mild steel corrosion in groundwater by pyrrole and thienylcarbonyl benzotriazoles. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 269-276.	1.5	32
47	Development of zinc-halloysite nanotube/minerals substituted hydroxyapatite bilayer coatings on titanium alloy for orthopedic applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 357-365.	2.3	32
48	Fabrication of Minerals Substituted Porous Hydroxyapaptite/Poly(3,4-ethylenedioxy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (pyrr... Its Antibacterial and Biological Activities for Orthopedic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12404-12421.	4.0	31
49	New exact shape changing solitary solutions of a generalized Hirota equation with nonlinear inhomogeneities. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2322-2329.	2.5	30
50	Effect of nonlinear inhomogeneity on the creation and annihilation of magnetic soliton. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1793-1810.	1.0	30
51	Evaluation of biodegradability of surface treated AZ91 magnesium alloy in SBF solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 218-227.	2.9	30
52	Protonic transport through solitons in hydrogen-bonded systems. <i>Physica Scripta</i> , 2011, 84, 035803.	1.2	29
53	Synergistic effect of thiourea derivatives and non-ionic surfactants on the inhibition of corrosion of carbon steel in acid environments. <i>Anti-Corrosion Methods and Materials</i> , 2000, 47, 332-339.	0.6	27
54	Shape changing soliton in a site-dependent ferromagnet using tanh-function method. <i>Physica Scripta</i> , 2009, 79, 015402.	1.2	27

#	ARTICLE	IF	CITATIONS
55	Development of poly(3,4-ethylenedioxythiophene-co-indole-5-carboxylic acid) co-polymer coatings on passivated low-nickel stainless steel for enhanced corrosion resistance in the sulphuric acid medium. <i>Applied Surface Science</i> , 2015, 357, 122-130.	3.1	27
56	Physicochemical and biological behaviour of biogenic derived hydroxyapatite and carboxymethyl cellulose/sodium alginate biocomposite coating on Ti6Al4V alloy for biomedical applications. <i>Materials Chemistry and Physics</i> , 2020, 254, 123455.	2.0	25
57	Alternating current induced corrosion. <i>Corrosion Engineering Science and Technology</i> , 2004, 39, 117-123.	0.7	24
58	Magnetization reversal through flipping solitons under the localized inhomogeneity. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 125201.	0.7	24
59	Corrosion and Corrosion Inhibition of High Strength Low Alloy Steel in 2.0% M Sulfuric Acid Solutions by 3-Amino-1,2,3-triazole as a Corrosion Inhibitor. <i>Journal of Chemistry</i> , 2014, 2014, 1-8.	0.9	24
60	Corrosion inhibition by benzotriazole derivatives and sodium dodecyl sulphate as corrosion inhibitors for copper in ground water at different temperatures. <i>Surface and Interface Analysis</i> , 2015, 47, 618-625.	0.8	24
61	Electrochemical and photocatalytic investigation of nickel oxide for energy storage and wastewater treatment. <i>Research on Chemical Intermediates</i> , 2018, 44, 5653-5667.	1.3	24
62	Structural, morphological and biological evaluations of cerium incorporated hydroxyapatite sol-gel coatings on Ti6Al4V for orthopaedic applications. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1319-1338.	2.6	24
63	Electro-oxidation of alcohols - Recent advancements in synthesis and applications of palladium core-shell nanostructured model catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111211.	8.2	23
64	Spectroscopic characterization of nanohydroxyapatite synthesized by molten salt method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 545-547.	2.0	22
65	Soliton switching in an anisotropic Heisenberg ferromagnetic spin chain with octupole-dipole interaction. <i>Physica Scripta</i> , 2011, 83, 055701.	1.2	22
66	An effective and facile synthesis of hydroxyapatite powders using oxalic acid-ethylene glycol mixture. <i>Current Applied Physics</i> , 2011, 11, 590-593.	1.1	22
67	Influence of surfactant concentration on nanohydroxyapatite growth. <i>Bulletin of Materials Science</i> , 2013, 36, 799-805.	0.8	22
68	Experimental and theoretical investigations on the inhibition of mild steel corrosion in the ground water medium using newly synthesised bipodal and tripodal imidazole derivatives. <i>Materials Chemistry and Physics</i> , 2014, 147, 572-582.	2.0	22
69	Inhibitors with biocidal functionalities to mitigate corrosion on mild steel in natural aqueous environment. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 681-689.	1.5	21
70	Localized discrete breather modes in neuronal microtubules. <i>Nonlinear Dynamics</i> , 2017, 88, 2013-2033.	2.7	21
71	Cusp-like singular soliton solutions of Jaulent-Miodek equation using symbolic computation. <i>Physica Scripta</i> , 2009, 79, 035403.	1.2	20
72	Creation and annihilation of solitons in a ferromagnet with competing nonlinear inhomogeneities. <i>Physica Scripta</i> , 2010, 81, 035404.	1.2	20

#	ARTICLE	IF	CITATIONS
73	Hydroxyapatite coating on selectively passivated and sensitively polymer-protected surgical grade stainless steel. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 331-345.	1.5	20
74	Nano breathers and molecular dynamics simulations in hydrogen-bonded chains. <i>Journal of Biological Physics</i> , 2013, 39, 15-35.	0.7	19
75	Collision of electromagnetic solitons in a weak ferromagnetic medium. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 355, 37-50.	1.0	19
76	Propagation of electromagnetic solitons in an antiferromagnetic spinladder medium. <i>Journal of Electromagnetic Waves and Applications</i> , 2016, 30, 740-766.	1.0	19
77	Surface characterization and electrochemical corrosion behaviour of 304 stainless steel in aqueous media. <i>Journal of Solid State Electrochemistry</i> , 2002, 6, 194-202.	1.2	18
78	Solitonic transport of energy-momentum in a deformed magnetic medium. <i>Physica Scripta</i> , 2012, 85, 035007.	1.2	18
79	Breather-like protonic tunneling in a discrete hydrogen bonded chain with heavy-ionic interactions. <i>Physica Scripta</i> , 2013, 87, 035007.	1.2	17
80	Soliton-based logic gates using spin ladder. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 3900-3912.	1.7	16
81	Energy-momentum transport through soliton in a site-dependent ferromagnet. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 1787-1803.	1.7	16
82	Novel malic acid mediated green route for the synthesis of hydroxyapatite particles and their spectral characterization. <i>Ceramics International</i> , 2015, 41, 3116-3127.	2.3	16
83	Multifunctional crab shell derived hydroxyapatite/metal oxide/polyhydroxybutyrate composite coating on 316L SS for biomedical applications. <i>Materials Letters</i> , 2022, 313, 131701.	1.3	16
84	Electrochemical synthesis of poly(indole-co-thiophene) on low-nickel stainless steel and its anticorrosive performance in 0.5%mol <sup>1</sup> <sup>H <sub>2</sub> SO <sub>4</sub> </sup>. <i>Polymer International</i> , 2014, 63, 280-289.	1.6	15
85	Smart rose flower like bioceramic/metal oxide dual layer coating with enhanced anti-bacterial, anti-cancer, anti-corrosive and biocompatible properties for improved orthopedic applications. <i>RSC Advances</i> , 2015, 5, 85831-85844.	1.7	15
86	Electrochemical synthesis and characterization of cubic magnetite nanoparticle in aqueous ferrous perchlorate medium. <i>Arabian Journal of Chemistry</i> , 2016, 9, S829-S834.	2.3	15
87	Propagation of proton solitons in hydrogen-bonded chains with an asymmetric double-well potential. <i>Physica Scripta</i> , 2012, 86, 025403.	1.2	14
88	Propagation of kink-antikink pair along microtubules as a control mechanism for polymerization and depolymerization processes. <i>Chinese Physics B</i> , 2014, 23, 098703.	0.7	14
89			

#	ARTICLE	IF	CITATIONS
91	Evaluation of the mechanical and corrosion protection performance of electrodeposited hydroxyapatite on the high energy electron beam treated titanium alloy. <i>Journal of Alloys and Compounds</i> , 2014, 616, 498-504.	2.8	13
92	Biowaste-derived hydroxyapatite reinforced with polyvinyl pyrrolidone/aloevera composite for biomedical applications. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 221-234.	1.1	12
93	Amino acid-assisted synthesis of strontium hydroxyapatite bone cement by a soft solution freezing method. <i>Bulletin of Materials Science</i> , 2012, 35, 1195-1199.	0.8	11
94	Implication of lanthanum substituted hydroxyapatite/poly(n-methyl pyrrole) bilayer coating on titanium for orthopedic applications. <i>Materials Today: Proceedings</i> , 2020, 26, 3526-3530.	0.9	11
95	Novel Strategy for Gallium-Substituted Hydroxyapatite/ <i>Pergularia daemia</i> Fiber Extract/Poly( <i>N</i> -vinylcarbazole) Biocomposite Coating on Titanium for Biomedical Applications. <i>ACS Omega</i> , 2021, 6, 22537-22550.	1.6	11
96	Propagation of an electromagnetic soliton in an anisotropic biquadratic ferromagnetic medium. <i>Chinese Physics B</i> , 2013, 22, 030512.	0.7	9
97	Nonlinear refractive index induced collision and propagation of nematicons. <i>Journal of Molecular Liquids</i> , 2014, 197, 142-151.	2.3	8
98	Collision and propagation of electromagnetic solitons in an antiferromagnetic spin ladder medium. <i>Applied Mathematics and Computation</i> , 2015, 251, 643-668.	1.4	8
99	An innovative <i>Azadirachta indica</i> gum-mediated synthesis of cocoon-shaped nano-AgHAp from <i>Lamellidens marginalis</i> shells. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2008-2016.	1.1	8
100	Valorization of biowaste derived nanophase yttrium substituted hydroxyapatite/citrate cellulose/opuntia mucilage biocomposite: A template assisted synthesis for potential biomedical applications. <i>Materials Chemistry and Physics</i> , 2021, 273, 125144.	2.0	8
101	Biogenic synthesis of hydroxyapatite/ <i>Musa paradisiaca</i> floral sap for biomedical applications. <i>Materials Letters</i> , 2022, 312, 131702.	1.3	8
102	Chemical and green routes for the synthesis of multifunctional pure and substituted nanohydroxyapatite for biomedical applications. , 2016, , 485-521.		7
103	A comparative study of naturally and synthetically derived bioceramics for biomedical applications. <i>Materials Today: Proceedings</i> , 2020, 26, 3600-3603.	0.9	7
104	Corrosion protection performance of ceria-copolymer bilayer coating on low nickel stainless steel in 0.5M H <sub>2</sub> SO <sub>4</sub> medium. <i>Surface and Interface Analysis</i> , 2012, 44, 1331-1337.	0.8	6
105	The propagation of shape changing soliton in a nonuniform nonlocal media. <i>Chinese Physics B</i> , 2013, 22, 084209.	0.7	6
106	Propagation of electromagnetic soliton in a spin polarized current driven weak ferromagnetic nanowire. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 441, 660-671.	1.0	6
107	Modulational instability of optically induced nematicon propagation. <i>Chinese Physics B</i> , 2013, 22, 129401.	0.7	5
108	Breather-like director reorientations in a nematic liquid crystal with nonlocal nonlinearity. <i>Wave Motion</i> , 2014, 51, 476-488.	1.0	5

#	ARTICLE	IF	CITATIONS
109	Fabrication of zinc substituted hydroxyapatite/cellulose nano crystals biocomposite from biowaste materials for biomedical applications. <i>Materials Today: Proceedings</i> , 2020, 26, 3583-3587.	0.9	5
110	Dynamic instability in neuronal microtubules. <i>Materials Today: Proceedings</i> , 2020, 26, 3552-3558.	0.9	5
111	Adsorption and inhibition properties of mild steel corrosion in ground water medium by 4-methoxy Tj ETQq1 1 0.784314 rgBT 2013, 45, 823-829.	0.8	4
112	Optically induced switching of nematic deformations. <i>Physica Scripta</i> , 2013, 88, 065015.	1.2	4
113	Energy transport mechanism in the form of proton soliton in a one-dimensional hydrogen-bonded polypeptide chain. <i>Journal of Biological Physics</i> , 2016, 42, 9-31.	0.7	4
114	Loss-less propagation, elastic and inelastic interaction of electromagnetic soliton in an anisotropic ferromagnetic nanowire. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 51, 50-65.	1.7	4
115	Multifunctional halloysite nanotube based composite coatings on titanium as metal implant for orthopedic applications. <i>Composites Part C: Open Access</i> , 2020, 3, 100077.	1.5	4
116	Microwave assisted synthesis of core-shell Ni-Co/graphene nano sheets and their catalytic activity for methanol electro-oxidation. <i>Materials Today: Proceedings</i> , 2021, 51, 1797-1797.	0.9	4
117	<i>Calotropis Gigantea</i> Fiber”€A Biogenic Reinforcement Material for Europium Substituted Hydroxyapatite/Poly(3,4-propylenedioxythiophene) Matrix: A Novel Ternary Composite for Biomedical Applications. <i>ACS Omega</i> , 2022, 7, 6024-6034.	1.6	4
118	Biocomposite coating of <i>Wrightia tinctoria</i> root bark fiber reinforced samarium substituted hydroxyapatite/ polypyrrole on titanium for potential orthopedic applications. <i>Materials Chemistry and Physics</i> , 2022, 289, 126447.	2.0	4
119	Effect of Varying Dzyaloshinskii”Moriya Interaction on the Bistable Nano-Scale Soliton Switching. <i>Communications in Theoretical Physics</i> , 2013, 60, 658-662.	1.1	3
120	Perturbed soliton excitations of Rao-dust Alfv”n waves in magnetized dusty plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	3
121	Propagation of envelope bright breather coupled wave modes in Ablowitz”Ladik chains. <i>Applied Mathematical Modelling</i> , 2016, 40, 8139-8155.	2.2	3
122	Halloysite nanotubes strengthened hydroxyapatite/biopolymer composite coating on titanium for implant applications. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
123	A simple salt mediated electrooxidative method for the synthesis of benzaldehydes from benzyl alcohols. <i>Synthetic Communications</i> , 2022, 52, 1268-1278.	1.1	3
124	Synthesis, characterization and corrosion protection properties of polyN-(p-bromophenyl)-2-methacrylamide-co-glycidyl methacrylate on low nickel stainless steel. <i>Journal of Polymer Engineering</i> , 2011, 31, .	0.6	2
125	Shape changing nonlocal molecular deformations in a nematic liquid crystal system. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2015, 18, 29-45.	1.0	2
126	Magnetization reversal in a site-dependent anisotropic Heisenberg ferromagnet under electromagnetic wave propagation. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2016, 19, 80-90.	1.0	2



#	ARTICLE	IF	CITATIONS
127	A preliminary study on the synthesis of biogenic derived hydroxyapatite /medicinal plant extracts composite for potential bone tissue engineering applications. Materials Today: Proceedings, 2022, 51, 1817-1820.	0.9	2
128	Oscillating multidromion excitations in higher-dimensional nonlinear lattice with intersite and external on-site potentials using symbolic computation. Chinese Physics B, 2014, 23, 010307.	0.7	1
129	Corrosion Protection Behavior of Poly(N-(p-bromophenyl)-2-methacrylamide-co-ethyl methacrylate) Coatings on Low Nickel Stainless Steel. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 820-830.	1.8	1
130	Synthesis of Pure and Substituted Hydroxyapatite Nanoparticles by Cost Effective Facile Methods. , 2016, , 167-190.		1
131	Electrochemical and Surface Characterization Studies of New Triazole Derivatives on Mild Steel. Asian Journal of Chemistry, 2013, 25, 957-961.	0.1	0
132	Synthesis of Pure and Substituted Hydroxyapatite Nanoparticles by Cost Effective Facile Methods. , 2015, , 1-20.		0
133	Enhancement of biocompatibility by coatings. , 2021, , 463-490.		0
134	Current-driven magnetization reversal dynamics and breather-like EM soliton propagation in biaxial anisotropic weak ferromagnetic nanowire. Nonlinear Dynamics, 2022, 107, 2667.	2.7	0