

Mohd Zobir B Hussein

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290
papers

8,009
citations

47
h-index

73
g-index

297
ext. papers

9,376
ext. citations

4.5
avg, IF

6.51
L-index

#	Paper	IF	Citations
290	Poly(lactic acid)/Poly(ethylene glycol) Polymer Nanocomposites: Effects of Graphene Nanoplatelets. <i>Polymers</i> , 2014 , 6, 93-104	4.5	262
289	Visible light-induced degradation of methylene blue in the presence of photocatalytic ZnS and CdS nanoparticles. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 12242-58	6.3	260
288	Preparation of cellulose nanofibers with hydrophobic surface characteristics. <i>Cellulose</i> , 2010 , 17, 299-303	3.5	224
287	Controlled release of a plant growth regulator, alpha-naphthaleneacetate from the lamella of Zn-Al-layered double hydroxide nanocomposite. <i>Journal of Controlled Release</i> , 2002 , 82, 417-27	11.7	161
286	The effect of sodium dodecyl sulfate (SDS) and cetyltrimethylammonium bromide (CTAB) on the Properties of ZnO synthesized by hydrothermal method. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 13275-93	6.3	159
285	Characterization of TiO ₂ -chitosan/glass photocatalyst for the removal of a monoazo dye via photodegradation-adsorption process. <i>Journal of Hazardous Materials</i> , 2009 , 164, 138-45	12.8	149
284	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. <i>Materials</i> , 2018 , 11,	3.5	148
283	Preparation of Fe ₃ O ₄ magnetic nanoparticles coated with gallic acid for drug delivery. <i>International Journal of Nanomedicine</i> , 2012 , 7, 5745-56	7.3	123
282	Green synthesis and characterization of silver/chitosan/polyethylene glycol nanocomposites without any reducing agent. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 4872-84	6.3	121
281	Photocatalytic treatment of 4-chlorophenol in aqueous ZnO suspensions: intermediates, influence of dosage and inorganic anions. <i>Journal of Hazardous Materials</i> , 2009 , 168, 57-63	12.8	121
280	Cathodic electrodeposition of SnS in the presence of EDTA in aqueous media. <i>Solar Energy Materials and Solar Cells</i> , 1998 , 55, 237-249	6.4	111
279	Cathodic electrodeposition of SnS thin films from aqueous solution. <i>Solar Energy Materials and Solar Cells</i> , 1996 , 40, 347-357	6.4	107
278	ZnAl layered double hydroxide prepared at different molar ratios: Preparation, characterization, optical and dielectric properties. <i>Journal of Solid State Chemistry</i> , 2012 , 191, 271-278	3.3	104
277	Carbon Nanomaterials for the Treatment of Heavy Metal-Contaminated Water and Environmental Remediation. <i>Nanoscale Research Letters</i> , 2019 , 14, 341	5	98
276	Nanocomposite-based controlled release formulation of an herbicide, 2,4-dichlorophenoxyacetate encapsulated in zinc/aluminium-layered double hydroxide. <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 956-962	7.1	91
275	Application of natural kaolin as support for the immobilization of lipase from <i>Candida rugosa</i> as biocatalyst for effective esterification. <i>Applied Clay Science</i> , 2005 , 29, 111-116	5.2	89
274	Hydrothermal synthesis of zinc oxide nanoparticles using rice as soft biotemplate. <i>Chemistry Central Journal</i> , 2013 , 7, 136		79

273	Graphene nanoplatelets as novel reinforcement filler in poly(lactic acid)/epoxidized palm oil green nanocomposites: mechanical properties. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 10920-34	6.3	79
272	Characterisation of calcium carbonate and its polymorphs from cockle shells (<i>Anadara granosa</i>). <i>Powder Technology</i> , 2011 , 213, 188-191	5.2	78
271	Influence of the polyvinyl pyrrolidone concentration on particle size and dispersion of ZnS nanoparticles synthesized by microwave irradiation. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 12412-27	6.3	78
270	Improvement of the crystallinity and photocatalytic property of zinc oxide as calcination product of ZnAl layered double hydroxide. <i>Journal of Alloys and Compounds</i> , 2012 , 539, 154-160	5.7	77
269	Effects of Graphene Nanoplatelets and Reduced Graphene Oxide on Poly(lactic acid) and Plasticized Poly(lactic acid): A Comparative Study. <i>Polymers</i> , 2014 , 6, 2232-2246	4.5	76
268	Copper oxide nanoparticles-loaded zeolite and its characteristics and antibacterial activities. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 889-896	9.1	73
267	Thermal, optical and dielectric properties of ZnAl layered double hydroxide. <i>Applied Clay Science</i> , 2012 , 56, 68-76	5.2	72
266	Synthesis, antibacterial and thermal studies of cellulose nanocrystal stabilized ZnO-Ag heterostructure nanoparticles. <i>Molecules</i> , 2013 , 18, 6269-80	4.8	72
265	Graphene oxide as a nanocarrier for controlled release and targeted delivery of an anticancer active agent, chlorogenic acid. <i>Materials Science and Engineering C</i> , 2017 , 74, 177-185	8.3	71
264	Synthesis, characterization, and antimicrobial activity of an ampicillin-conjugated magnetic nanoantibiotic for medical applications. <i>International Journal of Nanomedicine</i> , 2014 , 9, 3801-14	7.3	71
263	Effect of zinc oxide amounts on the properties and antibacterial activities of zeolite/zinc oxide nanocomposite. <i>Materials Science and Engineering C</i> , 2016 , 68, 505-511	8.3	70
262	Cytotoxicity of nickel zinc ferrite nanoparticles on cancer cells of epithelial origin. <i>International Journal of Nanomedicine</i> , 2013 , 8, 2497-508	7.3	70
261	Development of antiproliferative nanohybrid compound with controlled release property using ellagic acid as the active agent. <i>International Journal of Nanomedicine</i> , 2011 , 6, 1373-83	7.3	70
260	Removal of dyes using immobilized titanium dioxide illuminated by fluorescent lamps. <i>Journal of Hazardous Materials</i> , 2005 , 125, 113-20	12.8	70
259	A novel method for the synthesis of calcium carbonate (aragonite) nanoparticles from cockle shells. <i>Powder Technology</i> , 2013 , 235, 70-75	5.2	68
258	Preparation and properties of poly(vinyl alcohol)/chitosan blend bionanocomposites reinforced with cellulose nanocrystals/ZnO-Ag multifunctional nanosized filler. <i>International Journal of Nanomedicine</i> , 2014 , 9, 1909-17	7.3	66
257	Sustained release of anticancer agent phytic acid from its chitosan-coated magnetic nanoparticles for drug-delivery system. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2361-2372	7.3	65
256	Chitosan-Based Agronanochemicals as a Sustainable Alternative in Crop Protection. <i>Molecules</i> , 2020 , 25,	4.8	64

255	Synthesis and characterization of ZnO nanostructures using palm olein as biotemplate. <i>Chemistry Central Journal</i> , 2013 , 7, 71		62
254	Preparation and Characterization of Molecularly Imprinted Polymer as SPE Sorbent for Melamine Isolation. <i>Polymers</i> , 2013 , 5, 1215-1228	4.5	61
253	Photocatalytic removal of 2,4,6-trichlorophenol from water exploiting commercial ZnO powder. <i>Desalination</i> , 2010 , 263, 176-182	10.3	60
252	Layered double hydroxide nanocomposite for drug delivery systems; bio-distribution, toxicity and drug activity enhancement. <i>Chemistry Central Journal</i> , 2014 , 8, 47		56
251	Folic acid targeted Mn:ZnS quantum dots for theranostic applications of cancer cell imaging and therapy. <i>International Journal of Nanomedicine</i> , 2016 , 11, 413-28	7.3	56
250	Drug delivery system for an anticancer agent, chlorogenate-Zn/Al-layered double hydroxide nanohybrid synthesised using direct co-precipitation and ion exchange methods. <i>Journal of Solid State Chemistry</i> , 2014 , 217, 31-41	3.3	55
249	Development of a controlled-release anti-parkinsonian nanodelivery system using levodopa as the active agent. <i>International Journal of Nanomedicine</i> , 2013 , 8, 1103-10	7.3	54
248	Immobilisation of lipase from <i>Candida rugosa</i> on layered double hydroxides of Mg/Al and its nanocomposite as biocatalyst for the synthesis of ester. <i>Catalysis Today</i> , 2004 , 93-95, 405-410	5.3	53
247	The ability of streptomycin-loaded chitosan-coated magnetic nanocomposites to possess antimicrobial and antituberculosis activities. <i>International Journal of Nanomedicine</i> , 2015 , 10, 3269-74	7.3	51
246	Electrochemical-assisted photodegradation of mixed dye and textile effluents using TiO ₂ thin films. <i>Journal of Hazardous Materials</i> , 2007 , 146, 73-80	12.8	51
245	Synthesis and characterization of (zinc-layered-gallate) nanohybrid using structural memory effect. <i>Materials Chemistry and Physics</i> , 2009 , 113, 491-496	4.4	47
244	Synthesis and Technology of Nanoemulsion-Based Pesticide Formulation. <i>Nanomaterials</i> , 2020 , 10,	5.4	47
243	Enzymatic synthesis of methyl adipate ester using lipase from <i>Candida rugosa</i> immobilised on Mg, Zn and Ni of layered double hydroxides (LDHs). <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008 , 50, 33-39		46
242	Synthesis, characterization, controlled release, and antibacterial studies of a novel streptomycin chitosan magnetic nanoantibiotic. <i>International Journal of Nanomedicine</i> , 2014 , 9, 549-57	7.3	45
241	Nanocarrier-Based Therapeutics and Theranostics Drug Delivery Systems for Next Generation of Liver Cancer Nanodrug Modalities. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1437-1456	7.3	43
240	Inorganic nanolayers: structure, preparation, and biomedical applications. <i>International Journal of Nanomedicine</i> , 2015 , 10, 5609-33	7.3	43
239	Graphene Oxide-Gallic Acid Nanodelivery System for Cancer Therapy. <i>Nanoscale Research Letters</i> , 2016 , 11, 491	5	42
238	Preparation, characterization and thermal degradation of polyimide (4-APS/BTDA)/SiO ₂ composite films. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 4860-72	6.3	42

237	Synthesis of layered organic/inorganic nanohybrid material: an organic dye, naphthol blue black in magnesium/aluminum layered double hydroxide inorganic lamella. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002 , 88, 98-102	3.1	42
236	Sorption removal of arsenic by cerium-exchanged zeolite P. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 149, 204-208	3.1	41
235	Palm Kernel Shell as an effective adsorbent for the treatment of heavy metal contaminated water. <i>Scientific Reports</i> , 2019 , 9, 18955	4.9	41
234	Effect of graphene nanoplatelets as nanofiller in plasticized poly(lactic acid) nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 118, 1551-1559	4.1	40
233	Sustained release formulation of an anti-tuberculosis drug based on para-amino salicylic acid-zinc layered hydroxide nanocomposite. <i>Chemistry Central Journal</i> , 2013 , 7, 72		40
232	Successful transfer of plasmid DNA into in vitro cells transfected with an inorganic plasmid-Mg/Al-LDH nanobiocomposite material as a vector for gene expression. <i>Nanotechnology</i> , 2009 , 20, 045602	3.4	40
231	Electrodeposition of tin selenide thin film semiconductor: effect of the electrolytes concentration on the film properties. <i>Solar Energy Materials and Solar Cells</i> , 2003 , 79, 125-132	6.4	40
230	Synthesis of protocatechuic acid/zinc/aluminium layered double hydroxide nanocomposite as an anticancer nanodelivery system. <i>Journal of Solid State Chemistry</i> , 2015 , 221, 21-31	3.3	39
229	Development of drug delivery systems based on layered hydroxides for nanomedicine. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 7750-86	6.3	39
228	Controlled release and angiotensin-converting enzyme inhibition properties of an antihypertensive drug based on a perindopril erbumine-layered double hydroxide nanocomposite. <i>International Journal of Nanomedicine</i> , 2012 , 7, 2129-41	7.3	39
227	Preparation and controlled-release studies of a protocatechuic acid-magnesium/aluminum-layered double hydroxide nanocomposite. <i>International Journal of Nanomedicine</i> , 2013 , 8, 1975-87	7.3	39
226	Gadolinium-based layered double hydroxide and graphene oxide nano-carriers for magnetic resonance imaging and drug delivery. <i>Chemistry Central Journal</i> , 2017 , 11, 47		38
225	Synthesis of (cinnamate-zinc layered hydroxide) intercalation compound for sunscreen application. <i>Chemistry Central Journal</i> , 2013 , 7, 26		37
224	Activated carbon derived from peat soil as a framework for the preparation of shape-stabilized phase change material. <i>Energy</i> , 2015 , 82, 468-478	7.9	37
223	Release behavior and toxicity profiles towards A549 cell lines of ciprofloxacin from its layered zinc hydroxide intercalation compound. <i>Chemistry Central Journal</i> , 2013 , 7, 119		36
222	Antimicrobial and controlled release studies of a novel nystatin conjugated iron oxide nanocomposite. <i>BioMed Research International</i> , 2014 , 2014, 651831	3	36
221	Preparation and characterization of 6-mercaptopurine-coated magnetite nanoparticles as a drug delivery system. <i>Drug Design, Development and Therapy</i> , 2013 , 7, 1015-26	4.4	34
220	Preparation of hippurate-zinc layered hydroxide nanohybrid and its synergistic effect with tamoxifen on HepG2 cell lines. <i>International Journal of Nanomedicine</i> , 2011 , 6, 3099-111	7.3	34

219	Bacillus cereus as a biotemplating agent for the synthesis of zinc oxide with raspberry- and plate-like structures. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 1145-50	4.2	34
218	Development of a Fluorescence Resonance Energy Transfer (FRET)-Based DNA Biosensor for Detection of Synthetic Oligonucleotide of Ganoderma boninense. <i>Biosensors</i> , 2013 , 3, 419-28	5.9	33
217	Herbicide-intercalated zinc layered hydroxide nanohybrid for a dual-guest controlled release formulation. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 7328-42	6.3	33
216	Electrochemical-assisted photodegradation of dye on TiO ₂ thin films: investigation on the effect of operational parameters. <i>Journal of Hazardous Materials</i> , 2005 , 118, 197-203	12.8	33
215	Characterization and in vitro studies of the anticancer effect of oxidized carbon nanotubes functionalized with betulinic acid. <i>Drug Design, Development and Therapy</i> , 2014 , 8, 2333-43	4.4	32
214	Oil Palm Waste-Based Precursors as a Renewable and Economical Carbon Sources for the Preparation of Reduced Graphene Oxide from Graphene Oxide. <i>Nanomaterials</i> , 2017 , 7,	5.4	32
213	In vitro sustained release study of gallic acid coated with magnetite-PEG and magnetite-PVA for drug delivery system. <i>Scientific World Journal, The</i> , 2014 , 2014, 416354	2.2	32
212	Controlled-release formulation of antihistamine based on cetirizine zinc-layered hydroxide nanocomposites and its effect on histamine release from basophilic leukemia (RBL-2H3) cells. <i>International Journal of Nanomedicine</i> , 2012 , 7, 3351-63	7.3	32
211	Preparation of Chitosan-Hexaconazole Nanoparticles as Fungicide Nanodelivery System for Combating Disease in Oil Palm. <i>Molecules</i> , 2019 , 24,	4.8	31
210	Gallate/Zn/Al-layered double hydroxide as an intercalated compound with new controlled release formulation of anticarcinogenic agent. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 1565-1570	3.9	31
209	Dye-interleaved nanocomposite: Evan's Blue in the lamella of Mg/Al-layered double hydroxide. <i>Dyes and Pigments</i> , 2004 , 63, 135-140	4.6	31
208	The effect of polymers onto the size of zinc layered hydroxide salt and its calcined product. <i>Solid State Sciences</i> , 2009 , 11, 368-375	3.4	30
207	Synthesis of organo-mineral nanohybrid material: indole-2-carboxylate in the lamella of Zn/Al-layered double hydroxide. <i>Materials Chemistry and Physics</i> , 2004 , 85, 427-431	4.4	30
206	A Review on Characterizations and Biocompatibility of Functionalized Carbon Nanotubes in Drug Delivery Design. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-20	3.2	29
205	Facile Synthesis of Calcium Carbonate Nanoparticles from Cockle Shells. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-5	3.2	29
204	Dual Drugs Anticancer Nanoformulation using Graphene Oxide-PEG as Nanocarrier for Protocatechuic Acid and Chlorogenic Acid. <i>Pharmaceutical Research</i> , 2019 , 36, 91	4.5	28
203	Characterization of thymoquinone/hydroxypropyl-β-cyclodextrin inclusion complex: Application to anti-allergy properties. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 133, 167-182	5.1	28
202	Preparation of Tween 80-Zn/Al-levodopa-layered double hydroxides nanocomposite for drug delivery system. <i>Scientific World Journal, The</i> , 2014 , 2014, 104246	2.2	27

201	Synthesis of a monophasic nanohybrid for a controlled release formulation of two active agents simultaneously. <i>Applied Clay Science</i> , 2012 , 58, 60-66	5.2	27
200	Controlled-release approaches towards the chemotherapy of tuberculosis. <i>International Journal of Nanomedicine</i> , 2012 , 7, 5451-63	7.3	27
199	Induction of apoptosis in cancer cells by NiZn ferrite nanoparticles through mitochondrial cytochrome C release. <i>International Journal of Nanomedicine</i> , 2013 , 8, 4115-29	7.3	27
198	In vitro inhibition of histamine release behavior of cetirizine intercalated into Zn/Al- and Mg/Al-layered double hydroxides. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 5899-916	6.3	27
197	Palm Kernel Shell Activated Carbon as an Inorganic Framework for Shape-Stabilized Phase Change Material. <i>Nanomaterials</i> , 2018 , 8,	5.4	27
196	Improved Anticancer Effect of Magnetite Nanocomposite Formulation of GALLIC Acid (Fe ₃ O ₄ /PEG-GA) Against Lung, Breast and Colon Cancer Cells. <i>Nanomaterials</i> , 2018 , 8,	5.4	26
195	Size-Controlled Synthesis of Fe ₃ O ₄ Magnetic Nanoparticles in the Layers of Montmorillonite. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-9	3.2	26
194	Toxicity and metabolism of layered double hydroxide intercalated with levodopa in a ParkinsonB disease model. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 5916-27	6.3	26
193	Comparison of in situ polymerization and solution-dispersion techniques in the preparation of Polyimide/Montmorillonite (MMT) Nanocomposites. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 6040-50	6.3	26
192	Effect of supporting electrolytes in electrochemically-assisted photodegradation of an azo dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 172, 316-321	4.7	26
191	Release behaviour and toxicity evaluation of levodopa from carboxylated single-walled carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 243-53	3	25
190	Effect of bath temperature on the electrodeposition of copper tin selenide films from aqueous solution. <i>Materials Letters</i> , 2004 , 58, 2199-2202	3.3	25
189	Oil Palm Trunk as a Raw Material for Activated Carbon Production. <i>Journal of Porous Materials</i> , 2001 , 8, 327-334	2.4	25
188	Graphene Oxide/PEG/Protocatechuic Acid Nanocomposite Formulation with Improved Anticancer Properties. <i>Nanomaterials</i> , 2018 , 8,	5.4	25
187	Preparation and properties of poly(vinyl alcohol)/chitosan blend bio-nanocomposites reinforced by cellulose nanocrystals. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 1620-1627	3.5	23
186	Novel kojic acid-polymer-based magnetic nanocomposites for medical applications. <i>International Journal of Nanomedicine</i> , 2014 , 9, 351-62	7.3	23
185	Biocompatible polymers coated on carboxylated nanotubes functionalized with betulinic acid for effective drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 26	4.5	22
184	Comparative study of Mg/Al- and Zn/Al-layered double hydroxide-perindopril erbumine nanocomposites for inhibition of angiotensin-converting enzyme. <i>International Journal of Nanomedicine</i> , 2012 , 7, 4251-62	7.3	22

183	Sustained release of prindopril erbumine from its chitosan-coated magnetic nanoparticles for biomedical applications. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 23639-53	6.3	22
182	Anodization Parameters Influencing the Growth of Titania Nanotubes and Their Photoelectrochemical Response. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-9	2.1	22
181	Synthesis and characterization of [4-(2,4-dichlorophenoxybutyrate)-zinc layered hydroxide] nanohybrid. <i>Solid State Sciences</i> , 2010 , 12, 770-775	3.4	22
180	Influence of sodium dodecyl sulfate concentration on the photocatalytic activity and dielectric properties of intercalated sodium dodecyl sulfate into ZnAl layered double hydroxide. <i>Materials Research Bulletin</i> , 2015 , 62, 122-131	5.1	21
179	Plasticized poly(lactic acid) with low molecular weight poly(ethylene glycol): Mechanical, thermal, and morphology properties. <i>Journal of Applied Polymer Science</i> , 2013 , 130, n/a-n/a	2.9	21
178	Development of a biocompatible nanodelivery system for tuberculosis drugs based on isoniazid-Mg/Al layered double hydroxide. <i>International Journal of Nanomedicine</i> , 2014 , 9, 4749-62	7.3	21
177	Phase Controlled Monodispersed CdS Nanocrystals Synthesized in Polymer Solution Using Microwave Irradiation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 830-836 ^{3,2}		21
176	Preparation and characterization of an anti-inflammatory agent based on a zinc-layered hydroxide-salicylate nanohybrid and its effect on viability of Vero-3 cells. <i>International Journal of Nanomedicine</i> , 2013 , 8, 297-306	7.3	21
175	Antituberculosis nanodelivery system with controlled-release properties based on para-amino salicylate-zinc aluminum-layered double-hydroxide nanocomposites. <i>Drug Design, Development and Therapy</i> , 2013 , 7, 1365-75	4.4	21
174	LDH-intercalated d-gluconate: Generation of a new food additive-inorganic nanohybrid compound. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 948-954	3.9	21
173	Synthesis of 4-chlorophenoxyacetate-zinc-aluminium-layered double hydroxide nanocomposite: physico-chemical and controlled release properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 2852-62	1.3	21
172	Synthesis and Properties of Layered Organic-Inorganic Hybrid Material: Zn-Al Layered Double Hydroxide-Diethyl Sulfosuccinate Nanocomposite. <i>Journal of Nanoparticle Research</i> , 2000 , 2, 293-298	2.3	21
171	Development of Tat-Conjugated Dendrimer for Transdermal DNA Vaccine Delivery. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2016 , 19, 325-338	3.4	21
170	Graphene Oxide as a Nanocarrier for a Theranostics Delivery System of Protocatechuic Acid and Gadolinium/Gold Nanoparticles. <i>Molecules</i> , 2018 , 23,	4.8	20
169	Synthesis and controlled release properties of 2,4-dichlorophenoxy acetate-zinc layered hydroxide nanohybrid. <i>Journal of Solid State Chemistry</i> , 2013 , 203, 19-24	3.3	20
168	Induction of a robust immune response against avian influenza virus following transdermal inoculation with H5-DNA vaccine formulated in modified dendrimer-based delivery system in mouse model. <i>International Journal of Nanomedicine</i> , 2017 , 12, 8573-8585	7.3	20
167	Photocatalytic Degradation of 2,4-dichlorophenol in Irradiated Aqueous ZnO Suspension. <i>International Journal of Chemistry</i> , 2010 , 2,	1.1	20
166	Production of highly enantioselective (R)-menthyl butyrate using <i>Candida rugosa</i> lipase immobilized on epoxy-activated supports. <i>Food Chemistry</i> , 2008 , 106, 437-443	8.5	20

165	Preparation of chitosan nanoparticles as a drug delivery system for perindopril erbumine. <i>Polymer Composites</i> , 2018 , 39, 544-552	3	19
164	The in vitro therapeutic activity of betulinic acid nanocomposite on breast cancer cells (MCF-7) and normal fibroblast cell (3T3). <i>Journal of Materials Science</i> , 2014 , 49, 8171-8182	4.3	19
163	Optical and Thermal Properties of Zn/Al-Layered Double Hydroxide Nanocomposite Intercalated with Sodium Dodecyl Sulfate. <i>Journal of Spectroscopy</i> , 2014 , 2014, 1-10	1.5	19
162	Controlled-release formulation of perindopril erbumine loaded PEG-coated magnetite nanoparticles for biomedical applications. <i>Journal of Materials Science</i> , 2014 , 49, 8487-8497	4.3	19
161	Immobilization of lipase from <i>Candida rugosa</i> on layered double hydroxides for esterification reaction. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 118, 313-20	3.2	19
160	Chlorogenic acid intercalated Gadolinium/Zinc/Aluminium layered double hydroxide and gold nanohybrid for MR imaging and drug delivery. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122232	4.4	19
159	An Overview of the Oil Palm Industry: Challenges and Some Emerging Opportunities for Nanotechnology Development. <i>Agronomy</i> , 2020 , 10, 356	3.6	18
158	Synthesis and properties of magnetic nanotheranostics coated with polyethylene glycol/5-fluorouracil/layered double hydroxide. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6661-6678	7.3	17
157	Synthesis of nanocomposite 2-methyl-4-chlorophenoxyacetic acid with layered double hydroxide: physicochemical characterization and controlled release properties. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	17
156	Anticancer nanodelivery system with controlled release property based on protocatechuate-zinc layered hydroxide nanohybrid. <i>International Journal of Nanomedicine</i> , 2014 , 9, 3137-49	7.3	17
155	TiO ₂ /Ag modified penta-bismuth hepta-oxide nitrate and its adsorption performance for azo dye removal. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1876-84	6.4	17
154	Controlled release formulation of agrochemical pesticide based on 4-(2,4-dichlorophenoxy)butyrate nanohybrid. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2140-7	7.3	17
153	Effect of incoming and outgoing exchangeable anions on the release kinetics of phenoxyherbicides nanohybrids. <i>Journal of Hazardous Materials</i> , 2010 , 182, 563-9	12.8	17
152	Thermal degradation of (zinc/aluminium-layered double hydroxide-dioctyl sulphosuccinate) nanocomposite. <i>Materials Chemistry and Physics</i> , 2002 , 74, 265-271	4.4	17
151	Acid fuchsin-interleaved Mg/Al-layered double hydroxide for the formation of an organic/inorganic hybrid nanocomposite. <i>Materials Letters</i> , 2004 , 58, 329-332	3.3	17
150	Enhanced fungicidal efficacy on by simultaneous co-delivery of hexaconazole and dazomet from their chitosan nanoparticles.. <i>RSC Advances</i> , 2019 , 9, 27083-27095	3.7	16
149	The Effect of Single, Binary and Ternary Anions of Chloride, Carbonate and Phosphate on the Release of 2,4-Dichlorophenoxyacetate Intercalated into the Zn-Al-layered Double Hydroxide Nanohybrid. <i>Nanoscale Research Letters</i> , 2009 , 4, 1351-7	5	16
148	Controlled In Vitro Release of the Anticancer Drug Chlorogenic Acid Using Magnesium/Aluminium-Layered Double Hydroxide as a Nanomatrix. <i>Science of Advanced Materials</i> , 2016 , 8, 501-513	2.3	16

147	Drug delivery system based on magnetic iron oxide nanoparticles coated with (polyvinyl alcohol-zinc/aluminium-layered double hydroxide-sorafenib). <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 733-747	6.1	16
146	A Potent Antifungal Agent for Basal Stem Rot Disease Treatment in Oil Palms Based on Chitosan-Dazomet Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
145	Acute oral toxicity and biodistribution study of zinc-aluminium-levodopa nanocomposite. <i>Nanoscale Research Letters</i> , 2015 , 10, 105	5	15
144	Synthesis of (Hexaconazole-Zinc/Aluminum-Layered Double Hydroxide Nanocomposite) Fungicide Nanodelivery System for Controlling Ganoderma Disease in Oil Palm. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 806-813	5.7	15
143	Controlled release study of an anti-carcinogenic agent, gallate from the surface of magnetite nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 936-942	3.9	15
142	Gadolinium-Doped Gallic Acid-Zinc/Aluminium-Layered Double Hydroxide/Gold Theranostic Nanoparticles for a Bimodal Magnetic Resonance Imaging and Drug Delivery System. <i>Nanomaterials</i> , 2017 , 7,	5.4	15
141	Novel Anti-Tuberculosis Nanodelivery Formulation of Ethambutol with Graphene Oxide. <i>Molecules</i> , 2017 , 22,	4.8	15
140	Development of a highly biocompatible antituberculosis nanodelivery formulation based on para-aminosalicylic acid-zinc layered hydroxide nanocomposites. <i>Scientific World Journal, The</i> , 2014 , 2014, 401460	2.2	15
139	Nanotechnology in drug delivery: the need for more cell culture based studies in screening. <i>Chemistry Central Journal</i> , 2014 , 8, 46		15
138	Thermal decomposition pathway of undoped and doped zinc layered gallate nano hybrid with Fe ³⁺ , Co ²⁺ and Ni ²⁺ to produce mesoporous and high pore volume carbon material. <i>Solid State Sciences</i> , 2009 , 11, 2125-2132	3.4	15
137	The use of Mg/Al layered double hydroxide for color removal of textile wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001 , 36, 565-73	2.3	15
136	Rotational contour analysis of the 000 band of the A 1Au \times 1Ag electronic transition of trans-oxaly fluoride. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 2015-2019		15
135	Engineered Nanomaterials: The Challenges and Opportunities for Nanomedicines. <i>International Journal of Nanomedicine</i> , 2021 , 16, 161-184	7.3	15
134	Designing of the Anticancer Nanocomposite with Sustained Release Properties by Using Graphene Oxide Nanocarrier with Phenethyl Isothiocyanate as Anticancer Agent. <i>Pharmaceutics</i> , 2018 , 10,	6.4	14
133	Nano-Formulation of Ethambutol with Multifunctional Graphene Oxide and Magnetic Nanoparticles Retains Its Anti-Tubercular Activity with Prospects of Improving Chemotherapeutic Efficacy. <i>Molecules</i> , 2017 , 22,	4.8	14
132	Structure and Surface Transformations of Humic-Adsorbed Synthetic Hydrotalcite-Like Materials. <i>Journal of Porous Materials</i> , 2001 , 8, 219-226	2.4	14
131	Synthesis, characterization, and efficacy of antituberculosis isoniazid zinc aluminum-layered double hydroxide based nanocomposites. <i>International Journal of Nanomedicine</i> , 2016 , 11, 3225-37	7.3	14
130	Simultaneous intercalation and release of 2,4-dichloro- and 4-chloro-phenoxy acetates into Zn/Al layered double hydroxide. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S1457-S1463	5.9	13

129	3,4-Dichlorophenoxyacetate interleaved into anionic clay for controlled release formulation of a new environmentally friendly agrochemical. <i>Nanoscale Research Letters</i> , 2013 , 8, 362	5	13
128	In situ dielectric measurements of ZnAl layered double hydroxide with anionic nitrate ions. <i>Solid State Sciences</i> , 2012 , 14, 1196-1202	3-4	13
127	Application of advanced materials as support for immobilisation of lipase from <i>Candida rugosa</i> . <i>Biocatalysis and Biotransformation</i> , 2005 , 23, 233-239	2.5	13
126	Increased ROS Scavenging and Antioxidant Efficiency of Chlorogenic Acid Compound Delivered via a Chitosan Nanoparticulate System for Efficient In Vitro Visualization and Accumulation in Human Renal Adenocarcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	12
125	Preparation and characterization of ZnO/ZnAl ₂ O ₄ -mixed metal oxides for dye-sensitized photodetector using Zn/Al-layered double hydroxide as precursor. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	12
124	Synthesis and Characterization of Cockle Shell-Based Calcium Carbonate Aragonite Polymorph Nanoparticles with Surface Functionalization. <i>Journal of Nanoparticles</i> , 2017 , 2017, 1-12		12
123	Structural, optical and electrical properties of ZnO/ZnAl ₂ O ₄ nanocomposites prepared via thermal reduction approach. <i>Journal of Materials Science</i> , 2018 , 53, 581-590	4-3	12
122	Incorporation of Levodopa into Biopolymer Coatings Based on Carboxylated Carbon Nanotubes for pH-Dependent Sustained Release Drug Delivery. <i>Nanomaterials</i> , 2018 , 8,	5-4	12
121	Enhanced anti-inflammatory potential of cinnamate-zinc layered hydroxide in lipopolysaccharide-stimulated RAW 264.7 macrophages. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 2475-84	4.4	12
120	Acetobacter xylenium as a shape-directing agent for the formation of nano-, micro-sized zinc oxide. <i>Journal of Materials Science</i> , 2005 , 40, 6325-6328	4.3	12
119	The preparation of activated carbons from chips of oil palm trunk catalysed by ZnCl ₂ /CO ₂ : Surface area and porosity studies. <i>Journal of Chemical Technology and Biotechnology</i> , 1995 , 64, 35-40	3.5	12
118	Chitosan-Based Agronanofungicides as a Sustainable Alternative in the Basal Stem Rot Disease Management. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 4305-4314	5.7	11
117	Synthesis and characterization of protocatechuic acid-loaded gadolinium-layered double hydroxide and gold nanocomposite for theranostic application. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 973-986 ^{3,3}		11
116	Physicochemical properties of hydroxyapatite/montmorillonite nanocomposite prepared by powder sintering. <i>Results in Physics</i> , 2019 , 15, 102540	3.7	11
115	Evaluation of Controlled-Release Property and Phytotoxicity Effect of Insect Pheromone Zinc-Layered Hydroxide Nanohybrid Intercalated with Hexenoic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10893-902	5.7	11
114	Influence of Zn/Fe Molar Ratio on Optical and Magnetic Properties of ZnO and ZnFe ₂ O ₄ Nanocrystal as Calcined Products of Layered Double Hydroxides. <i>Journal of Spectroscopy</i> , 2014 , 2014, 1-6	1.5	11
113	Characterization and In Vitro Sustained Release of Silibinin from pH Responsive Carbon Nanotube-Based Drug Delivery System. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-10	3.2	11
112	Kaolin-Carbon Adsorbents for Carotene Removal of Red Palm Oil. <i>Journal of Colloid and Interface Science</i> , 2001 , 235, 93-100	9.3	11

111	Electrochemical Energy Storage Potentials of Waste Biomass: Oil Palm Leaf- and Palm Kernel Shell-Derived Activated Carbons. <i>Energies</i> , 2018 , 11, 3410	3.1	11
110	In vitro cellular localization and efficient accumulation of fluorescently tagged biomaterials from monodispersed chitosan nanoparticles for elucidation of controlled release pathways for drug delivery systems. <i>International Journal of Nanomedicine</i> , 2018 , 13, 5075-5095	7.3	11
109	Release of a liver anticancer drug, sorafenib from its PVA/LDH- and PEG/LDH-coated iron oxide nanoparticles for drug delivery applications. <i>Scientific Reports</i> , 2020 , 10, 21521	4.9	10
108	Phytotoxicity of chitosan-based agronanofungicides in the vegetative growth of oil palm seedling. <i>PLoS ONE</i> , 2020 , 15, e0231315	3.7	10
107	Microwave-Assisted Aging of Organic-Inorganic Hybrid Nanocomposite of β -Naphthaleneacetate in the Lamella of Zn-Al-Layered Double Hydroxide. <i>Journal of Materials Synthesis and Processing</i> , 2002 , 10, 89-95		10
106	Development of the Anticancer Potential of a Chlorogenate-Zinc Layered Hydroxide Nanohybrid with Controlled Release Property Against Various Cancer Cells. <i>Science of Advanced Materials</i> , 2013 , 5, 1983-1993	2.3	10
105	Some Emerging Opportunities of Nanotechnology Development for Soilless and Microgreen Farming. <i>Agronomy</i> , 2021 , 11, 1213	3.6	10
104	Mesoporous ZnO/ZnAl ₂ O ₄ mixed metal oxide-based Zn/Al layered double hydroxide as an effective anode material for visible light photodetector. <i>Materials Science in Semiconductor Processing</i> , 2021 , 121, 105370	4.3	10
103	Synthesis of Dazomet-Zinc/Aluminum-Layered Double Hydroxide Nanocomposite and Its Phytotoxicity Effect on Oil Palm Seed Growth. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16064-16072	8.2	10
102	Nanomaterials-Upconverted Hydroxyapatite for Bone Tissue Engineering and a Platform for Drug Delivery. <i>International Journal of Nanomedicine</i> , 2021 , 16, 6477-6496	7.3	10
101	Ecofriendly Approach for Treatment of Heavy-Metal-Contaminated Water Using Activated Carbon of Kernel Shell of Oil Palm. <i>Materials</i> , 2020 , 13,	3.5	9
100	A Statistical Study on the Development of Metronidazole-Chitosan-Alginate Nanocomposite Formulation Using the Full Factorial Design. <i>Polymers</i> , 2020 , 12,	4.5	9
99	Systemic antibody response to nano-size calcium phosphate biocompatible adjuvant adsorbed HEV-71 killed vaccine. <i>Clinical and Experimental Vaccine Research</i> , 2015 , 4, 88-98	1.9	9
98	Antimycobacterial, antimicrobial, and biocompatibility properties of para-aminosalicylic acid with zinc layered hydroxide and Zn/Al layered double hydroxide nanocomposites. <i>Drug Design, Development and Therapy</i> , 2014 , 8, 1029-36	4.4	9
97	Formation and yield of multi-walled carbon nanotubes synthesized via chemical vapour deposition routes using different metal-based catalysts of FeCoNiAl, CoNiAl and FeNiAl-LDH. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 20254-65	6.3	9
96	Antibacterial effect of silver nanoparticles prepared in copolymers at moderate temperature. <i>Research on Chemical Intermediates</i> , 2014 , 40, 817-832	2.8	9
95	Synthesis and Characterisation of Penta-Bismuth Hepta-Oxide Nitrate, Bi ₅ O ₇ NO ₃ , as a New Adsorbent for Methyl Orange Removal from an Aqueous Solution. <i>E-Journal of Chemistry</i> , 2012 , 9, 2429-2438		9
94	Synthesis and characterization of lawsone-Intercalated Zn-Al-layered double hydroxides. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 486-8	4	9

93	Evaluation of Curcumin-Encapsulated Chitosan Nanoparticles against Feline Infectious Peritonitis Virus and Pharmacokinetics Study in Cats. <i>BioMed Research International</i> , 2020 , 2020, 3012198	3	8
92	Thermal, structural, textural and optical properties of ZnO/ZnAl ₂ O ₄ mixed metal oxide-based Zn/Al layered double hydroxide. <i>Materials Research Express</i> , 2018 , 5, 116202	1.7	8
91	Arginine-chitosan- and arginine-polyethylene glycol-conjugated superparamagnetic nanoparticles: Preparation, cytotoxicity and controlled-release. <i>Journal of Biomaterials Applications</i> , 2014 , 29, 186-198	2.9	8
90	An Electrochemical Biosensor for the Determination of Ganoderma boninense Pathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. <i>Analytical Letters</i> , 2014 , 47, 819-832	2.2	8
89	Mechanical and Thermal Stability Properties of Modified Rice Straw Fiber Blend with Polycaprolactone Composite. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-9	3.2	8
88	Fabrication of highly ordered TiO ₂ nanotubes from fluoride containing aqueous electrolyte by anodic oxidation and their photoelectrochemical response. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 4900-9	1.3	8
87	Adsorptive performance of penta-bismuth hepta-oxide nitrate, Bi ₅ O ₇ N ₃ for removal of methyl orange dye. <i>Water Science and Technology</i> , 2012 , 65, 1632-8	2.2	8
86	Characterization of Betulinic Acid-Multiwalled Carbon Nanotubes Modified with Hydrophilic Biopolymer for Improved Biocompatibility on NIH/3T3 Cell Line. <i>Polymers</i> , 2021 , 13,	4.5	8
85	Nanolayered composite with enhanced ultraviolet ray absorption properties from simultaneous intercalation of sunscreen molecules. <i>International Journal of Nanomedicine</i> , 2018 , 13, 6359-6374	7.3	8
84	The Impact of Magnesium-Aluminum-Layered Double Hydroxide-Based Polyvinyl Alcohol Coated on Magnetite on the Preparation of Core-Shell Nanoparticles as a Drug Delivery Agent. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
83	Sustained Release and Cytotoxicity Evaluation of Carbon Nanotube-Mediated Drug Delivery System for Betulinic Acid. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-11	3.2	7
82	Dielectric Behaviour of Zn/Al-NO ₃ LDHs Filled with Polyvinyl Chloride Composite at Low Microwave Frequencies. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-6	1.5	7
81	The effect of polyvinyl alcohol addition on the physicochemical properties of ZnO synthesized by ethylene glycol-hydrothermal method. <i>Materials Chemistry and Physics</i> , 2010 , 124, 477-481	4.4	7
80	Synthesis and Cytotoxicity Study of Magnetite Nanoparticles Coated with Polyethylene Glycol and Sorafenib-Zinc/Aluminium Layered Double Hydroxide. <i>Polymers</i> , 2020 , 12,	4.5	7
79	Graphene Oxide Loaded with Protocatechuic Acid and Chlorogenic Acid Dual Drug Nanodelivery System for Human Hepatocellular Carcinoma Therapeutic Application. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
78	Synthesis and characterization of mesoporous zinc layered hydroxide-isoproc carb nanocomposite. <i>Journal of Saudi Chemical Society</i> , 2019 , 23, 486-493	4.3	7
77	Trends in Nanotechnology and Its Potentialities to Control Plant Pathogenic Fungi: A Review. <i>Biology</i> , 2021 , 10,	4.9	7
76	Controlled release formulation of an anti-depression drug based on a L-phenylalanate-zinc layered hydroxide intercalation compound. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 105, 35-44	3.9	6

75	Synthesis and Optimization of Electric Conductivity and Thermal Diffusivity of Zinc-Aluminum Hydroxide (Zn ₂ Al(OH) ₆ (NO ₃) ₂ ·xH ₂ O) Prepared at Different pH Values. <i>Materials Today: Proceedings</i> , 2016 , 3, 130-144	1.4	6
74	Toxicity evaluation of zinc aluminium levodopa nanocomposite via oral route in repeated dose study. <i>Nanoscale Research Letters</i> , 2014 , 9, 261	5	6
73	Surface-functionalized cockle shell-based calcium carbonate aragonite polymorph as a drug nanocarrier. <i>Nanotechnology, Science and Applications</i> , 2017 , 10, 79-94	3.9	6
72	Synthesis of a Layered Organic-Inorganic Nanohybrid of 4-Chlorophenoxyacetate-zinc-Layered Hydroxide with Sustained Release Properties. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-9	3.2	6
71	Controlled release compound based on metanilate-layered double hydroxide nanohybrid. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5921-8	1.3	6
70	The Acute Effects of Oral Administration of Phytic Acid-Chitosan-Magnetic Iron Oxide Nanoparticles in Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
69	ESR spectra and thermal diffusivity of Zn ₂ Al layered double hydroxide. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 124-128	3.9	5
68	The effect of substitution of zinc with aluminium in the brucite-like layers on the physicochemical properties of zinc-aluminium-layered double hydroxide-pamoate nanocomposite. <i>Journal of Porous Materials</i> , 2012 , 19, 45-51	2.4	5
67	Synthesis and Characterization of Zn-Al Layered Double Hydroxide (LDH) Nanocomposite Intercalated with Sodium Dodecyl Sulfate (SDS). <i>Advanced Materials Research</i> , 2014 , 1024, 52-55	0.5	5
66	Influence of Metallic Molar Ratio on the Electron Spin Resonance and Thermal Diffusivity of Zn ₂ Al Layered Double Hydroxide. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-9	3.2	5
65	Hippuric acid nanocomposite enhances doxorubicin and oxaliplatin-induced cytotoxicity in MDA-MB231, MCF-7 and Caco2 cell lines. <i>Drug Design, Development and Therapy</i> , 2013 , 7, 25-31	4.4	5
64	Inorganic-based phytohormone delivery vector of 2-chloroethylphosphonate nanohybrid: a new stimulating compound with controlled release property to increase latex production. <i>Journal of Experimental Nanoscience</i> , 2010 , 5, 310-318	1.9	5
63	Nanomaterials for the Treatment of Heavy Metal Contaminated Water.. <i>Polymers</i> , 2022 , 14,	4.5	5
62	Morphological Changes and Cellular Uptake of Functionalized Graphene Oxide Loaded with Protocatechuic Acid and Folic Acid in Hepatocellular Carcinoma Cancer Cell. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
61	Development of New Carbon-Based Electrode Material from Oil Palm Waste-Derived Reduced Graphene Oxide and Its Capacitive Performance Evaluation. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-13	3.2	5
60	Preparation and characterisation of novel paddy cultivation herbicide nanocomposite from zinc/aluminium layered double hydroxide and quinclorac anion** This research showed that the quinclorac (QC) can be intercalated into the interlayer gallery of Zn/Al-layered double hydroxide via co-precipitation method. This method is the simplest and economical method which uses Zn(NO ₃) ₂ .	1.9	5
59	Preparation of zinc layered hydroxide-ferulate and coated zinc layered hydroxide-ferulate nanocomposites for controlled release of ferulic acid. <i>Materials Research Innovations</i> , 2019 , 23, 233-245	1.9	5
58	Controlled release formulation of zinc hydroxide nitrate intercalated with sodium dodecylsulphate and bispyribac anions: A novel herbicide nanocomposite for paddy cultivation. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4513-4527	5.9	5

57	The influence of chitosan coating on the controlled release behaviour of zinc/aluminium-layered double hydroxide-quinclorac composite. <i>Materials Chemistry and Physics</i> , 2020 , 251, 123076	4.4	5
56	Synthesis and Reactivities of Triphenyl Acetamide Analogs for Potential Nonlinear Optical Material Uses. <i>Symmetry</i> , 2019 , 11, 622	2.7	4
55	Effect of unmodified rice straw on the properties of rice straw/polycaprolactone composites. <i>Research on Chemical Intermediates</i> , 2015 , 41, 6371-6384	2.8	4
54	The effect of ion exchange and co-precipitation methods on the intercalation of 3-(4-methoxyphenyl)propionic acid into layered zinc hydroxide nitrate. <i>Journal of Porous Materials</i> , 2018 , 25, 249-258	2.4	4
53	Carbon Nanotube-Quicklime Nanocomposites Prepared Using a Nickel Catalyst Supported on Calcium Oxide Derived from Carbonate Stones. <i>Nanomaterials</i> , 2019 , 9,	5.4	4
52	Release behavior and toxicity profiles towards leukemia (WEHI-3B) cell lines of 6-mercaptopurine-PEG-coated magnetite nanoparticles delivery system. <i>Scientific World Journal, The</i> , 2014 , 2014, 972501	2.2	4
51	Characterization of CdS Nanoparticles Synthesized Using Microwave-Assisted Polyol Method. <i>Advanced Materials Research</i> , 2013 , 667, 122-127	0.5	4
50	Effect of Water Content on Structural and Photoelectrochemical Properties of Titania Nanotube Synthesized in Fluoride Ethylene Glycol Electrolyte. <i>Advanced Materials Research</i> , 2012 , 501, 204-208	0.5	4
49	Ion exchange study of carbonate, nitrate and dioctyl sulfosuccinate with anthraquinone-2-sulphonate encapsulated in inorganic layered structures. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 1113-1118	3.9	4
48	Surfactant-assisted imidacloprid intercalation of layered zinc hydroxide nitrate: synthesis, characterisation and controlled release formulation. <i>Journal of Porous Materials</i> , 2020 , 27, 473-486	2.4	4
47	Preparation, characterisation and biological evaluation of biopolymer-coated multi-walled carbon nanotubes for sustained-delivery of silibinin. <i>Scientific Reports</i> , 2020 , 10, 16941	4.9	4
46	Synthesis and Characteristics of Valeric Acid-Zinc Layered Hydroxide Intercalation Material for Insect Pheromone Controlled Release Formulation. <i>Journal of Materials</i> , 2016 , 2016, 1-9		4
45	Synthesis and Characterization of Chitosan-Based Nanodelivery Systems to Enhance the Anticancer Effect of Sorafenib Drug in Hepatocellular Carcinoma and Colorectal Adenocarcinoma Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
44	Synthesis of dual herbicides-intercalated hydrotalcite-like nano hybrid compound with simultaneous controlled release property. <i>Journal of Porous Materials</i> , 2015 , 22, 473-480	2.4	3
43	Evaluate the Cytotoxicity of Kojic Acid Nanocomposites on Melanoma Cells and Normal Cells of the Skin. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2018 , 36, 45-55	0.6	3
42	Effect of Doping of Zn and Ca into ErBa ₂ Cu ₃ O ₇ Superconductor Prepared via Co-precipitation Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 255-260	1.5	3
41	Antimicrobial Activity of Hippurate Nanocomposite and Its Cytotoxicity Effect in Combination with Cytarabine against HL-60. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-9	3.2	3
40	The effect of pH on the formation of host-guest type material: zinc-aluminium-layered double hydroxide-4-chlorophenoxy acetate nanocomposite. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007 , 4, 611-613		3

39	The effect of cobalt doping on vanadyl pyrophosphate catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 2003 , 78, 25-34		3
38	The effect of surface area on the properties of shape-stabilized phase change material prepared using palm kernel shell activated carbon. <i>Scientific Reports</i> , 2020 , 10, 15047	4.9	3
37	Residual analysis of chitosan-based agronofungicides as a sustainable alternative in oil palm disease management. <i>Scientific Reports</i> , 2020 , 10, 22323	4.9	3
36	Development of a novel nanocomposite consisting of 3-(4-methoxyphenyl)propionic acid and magnesium layered hydroxide for controlled-release formulation. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 776-797	1.9	3
35	Anticancer Molecular Mechanism of Protocatechuic Acid Loaded on Folate Coated Functionalized Graphene Oxide Nanocomposite Delivery System in Human Hepatocellular Carcinoma. <i>Materials</i> , 2021 , 14,	3.5	3
34	The impact of a hygroscopic chitosan coating on the controlled release behaviour of zinc hydroxide nitrate/sodium dodecylsulphate/imidacloprid nanocomposites. <i>New Journal of Chemistry</i> , 2020 , 44, 9097-9108	3.6	2
33	Cytoprotection, Genoprotection, and Dermal Exposure Assessment of Chitosan-Based Agronofungicides. <i>Pharmaceutics</i> , 2020 , 12,	6.4	2
32	The Effect of Zinc to Aluminium Molar Ratio on the Physico-Chemical Properties of Zinc-Aluminium-3,4-Dichlorophenoxy Acetate Nanocomposite. <i>Materials Science Forum</i> , 2013 , 756, 127-134	9.4	2
31	Effect of Electrolyte Composition in Electrochemical Synthesis of Self-Organized TiO ₂ Nanotubes. <i>Advanced Materials Research</i> , 2011 , 364, 298-302	0.5	2
30	Self-assembled nanocomposite of organic-inorganic hybrid: 2,4-dichlorophenoxyacetate in Zn-Al hydroxide-like layers. <i>Journal of Nanoscience and Nanotechnology</i> , 2002 , 2, 143-6	1.3	2
29	New DC conductivity spectra of Zn/Al layered double hydroxide (Zn ₂ Al ₂ (OH) ₆ (NO ₃) ₂ ·nH ₂ O) and its calcined product of ZnO phase. <i>AIMS Materials Science</i> , 2017 , 4, 670-679	1.9	2
28	Activated Carbon for Shape-Stabilized Phase Change Material 2019 , 279-308		2
27	Adsorbilisation of thiacloprid pesticide into the layered zinc hydroxide salt intercalated with dodecyl sulphate, for controlled release formulation. <i>Materials Research Innovations</i> , 2020 , 24, 279-288	1.9	2
26	Polymeric Nanocomposite-Based Herbicide of Carboxymethyl Cellulose Coated-Zinc/Aluminium Layered Double Hydroxide-Quinlorac: A Controlled Release Purpose for Agrochemicals. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 1817-1834	4.5	2
25	Dual-Functional Iron Oxide Nanoparticles Coated with Polyvinyl Alcohol/5-Fluorouracil/Zinc-Aluminium-Layered Double Hydroxide for a Simultaneous Drug and Target Delivery System. <i>Polymers</i> , 2021 , 13,	4.5	2
24	Chlorambucil-Iron Oxide Nanoparticles as a Drug Delivery System for Leukemia Cancer Cells. <i>International Journal of Nanomedicine</i> , 2021 , 16, 6205-6216	7.3	2
23	Aerospace applications of graphene nanomaterials 2019 ,		1
22	Synthesis and characterisation of zinc hydroxides nitrate/sodium dodecyl sulphate fluazinam nano hosts for release properties. <i>Journal of Porous Materials</i> , 2020 , 27, 1467-1479	2.4	1

21	Physicochemical Study of 3,4-Dichlorophenoxyacetic Acid Intercalated into Hydrotalcite-Like Compound by Ion Exchanged Method. <i>Materials Science Forum</i> , 2016 , 846, 440-447	0.4	1
20	Synthesis, characterization and controlled release properties of zinc/aluminium-beta-naphthoxyacetate nanocomposite. <i>Journal of Porous Materials</i> , 2017 , 24, 573-582	2.4	1
19	Formation of Zinc-Aluminium Layered Double Hydroxide-2,4,5-Trichlorophenoxybutyrate Nanocomposites by Ion Exchange Method. <i>Advanced Materials Research</i> , 2013 , 832, 374-378	0.5	1
18	Morphology and Dimensions Controlled of Titania Nanotubes in Mixed Organic-Inorganic Electrolyte. <i>Advanced Materials Research</i> , 2013 , 686, 13-17	0.5	1
17	THE EFFECT OF ZINC TO ALUMINIUM MOLAR RATIO ON THE FORMATION OF ZINC-ALUMINIUM-4-CHLOROPHOXYACETATE NANOCOMPOSITE 2009 ,		1
16	Synthesis of organic-inorganic hybrid nanocomposite material: alizarin-3-sulfonate in the lamella of zinc-aluminium-layered double hydroxide 2005 ,		1
15	Preparation, characterization, drug release and anti-inflammatory of thymoquinone-loaded chitosan nanocomposite.. <i>Saudi Pharmaceutical Journal</i> , 2022 , 30, 347-358	4.4	1
14	The Intercalation Behaviour and Physico-Chemical Characterisation of Novel Intercalated Nanocomposite from Zinc/Aluminium Layered Double Hydroxides and Broadleaf Herbicide Clopyralid. <i>Chemistry and Chemical Technology</i> , 2020 , 14, 38-46	0.9	1
13	Functionalized Activated Carbon Derived from Palm Kernel Shells for the Treatment of Simulated Heavy Metal-Contaminated Water. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
12	The effect of swellable carboxymethyl cellulose coating on the physicochemical stability and release profile of a zinc hydroxide nitrate/sodium dodecylsulphate/imidacloprid. <i>Chemical Physics Impact</i> , 2021 , 2, 100017	1.6	1
11	RELEASE BEHAVIOR OF DICHLORPROP FROM ZN/AL-LDH-DICHLORPROP NANOCOMPOSITE INTO CHLORIDE, CARBONATE AND PHOSPHATE SOLUTIONS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2019 , 81,	1.2	1
10	Carboxymethylcellulose-coated magnesium-layered hydroxide nanocomposite for controlled release of 3-(4-methoxyphenyl)propionic acid. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 3974-3987	5.9	1
9	Preparation and properties of zinc layered hydroxide with nitrate and phosphate as the counter anion, a novel control release fertilizer formulation. <i>Journal of Porous Materials</i> ,1	2.4	1
8	Hexaconazole-Micelle Nanodelivery System Prepared Using Different Surfactants for Ganoderma Antifungal Application. <i>Molecules</i> , 2021 , 26,	4.8	1
7	New synthesis of binate herbicide-interleaved anionic clay material: synthesis, characterization and simultaneous controlled-release properties. <i>Journal of Porous Materials</i> , 2021 , 28, 495-505	2.4	1
6	Phytochemicals Profiling, Antimicrobial Activity and Mechanism of Action of Essential Oil Extracted from Ginger (<i>Zingiber officinale</i> Roscoe cv. Bentong) against <i>Burkholderia glumae</i> Causative Agent of Bacterial Panicle Blight Disease of Rice. <i>Plants</i> , 2022 , 11, 1466	4.5	1
5	Production of Biodiesel from Non-Edible <i>Jatropha curcas</i> Oil via Transesterification Using Nd ₂ O ₃ -La ₂ O ₃ Catalyst. <i>Advanced Materials Research</i> , 2012 , 620, 335-339	0.5	0
4	The effect of surfactant type on the physico-chemical properties of hexaconazole/dazomet-micelle nanodelivery system and its biofungicidal activity against <i>Ganoderma boninense</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 640, 128402	5.1	0

- 3 A Novel Para-Amino Salicylic Acid Magnesium Layered Hydroxide Nanocomposite Anti-Tuberculosis Drug Delivery System with Enhanced in vitro Therapeutic and Anti-Inflammatory Properties. *International Journal of Nanomedicine*, **2021**, 16, 7035-7050 7.3 0
- 2 Hybridisation of chlorophenoxyherbicides with layered double hydroxide for the formation of layered organic-inorganic encapsulated agrochemical nanocomposites. *International Journal of Nanoparticles*, **2010**, 3, 229 0.4
- 1 Hydrogen Production from Rice Straw Gasification over Modified-Limestone Catalyst. *Advanced Materials Research*, **2012**, 550-553, 488-492 0.5