

No	Article Title	Authors	ISSN	Journal Name	Year	Vol.	Issue	Start Page	End Page	Impact Factor (Based 2016)	Quartile
1	Carbon nanofibers based copper/zirconia catalysts for carbon dioxide hydrogenation to methanol: Effect of copper concentration	Din, IU; Shaharun, MS; Naeem, A; Tasleem, S; Johan, MR	1385-8947	Chemical Engineering Journal	2018	334		619	629	6.216	Q1
2	Fabrication of green dye-sensitized solar cell based on ZnO nanoparticles as a photoanode and graphene quantum dots as a photo-sensitizer	Zamiri, G; Bagheri, S	0021-9797	Journal of Colloid and Interface Science	2018	511		318	324	4.233	Q1
3	A facile, bio-based, novel approach for synthesis of covalently functionalized graphene nanoplatelet nanocoolants toward improved thermo-physical and heat transfer properties	Sadri, R; Hosseini, M; Kazi, SN; Bagheri, S ; Abdelrazek, AH; Ahmadi, G; Zubir, N; Ahmad, R; Abidin, NIZ	0021-9797	Journal of Colloid and Interface Science	2018	509		140	152	4.233	Q1
4	Multiplex polymerase chain reaction-restriction fragment length polymorphism assay discriminates of rabbit, rat and squirrel meat in frankfurter products	Ali, ME ; Ahamad, MNU; Asing; Hossain, MAM; Sultana, S	0956-7135	Food Control	2018	84		148	158	3.496	Q1
5	Highly efficient green mesostructured urea functionalized on SBA-15 catalysts for selective synthesis of benzlidenmalononitrile	Appaturi, JN ; Johan, MR ; Ramalingam, RJ; Al-Lohedan, HA	1387-1811	Microporous and Mesoporous Materials	2018	256		67	74	3.615	Q1
6	Recent developments of graphene-TiO ₂ composite nanomaterials as efficient photoelectrodes in dye-sensitized solar cells: A review	Low, FW; Lai, CW	1364-0321	Renewable Sustainable Energy Reviews	2018	82		103	125	8.050	Q1

7	Universal mini COI barcode for the identification of fish species in processed products	Sultana S., Ali M.E. , Hossain M.A.M., Asing, Naquiah N., Zaidul I.S.M.	0963-9969	Food Research International	2018	105		19	28	3.086	Q1
8	Synthesis of 3-(2-furylmethylene)-2,4-pentanedione using DL-Alanine functionalized MCM-41 catalyst via Knoevenagel condensation reaction	Appaturi J.N. , Selvaraj M., Abdul Hamid S.B., Bin Johan M.R.	1387-1811	Microporous and Mesoporous Materials	2018	260		260	269	3.615	Q1
9	Promoting deoxygenation of triglycerides via Co-Ca loaded SiO ₂ -Al ₂ O ₃ catalyst	Asikin-Mijan N., Lee H.V. , Juan J.C. , Noorsaadah A.R., Ong H.C., Razali S.M., Taufiq-Yap Y.H.	0926-860X	Applied Catalysis A: General	2018	558		38	48	4.339	Q1
10	Revalorization of selected municipal solid wastes as new precursors of "green" nanocellulose via a novel one-pot isolation system: A source perspective	Chen, YW; Lee, HV	0141-8130	International Journal of Biological Macromolecules	2018	107		78	92	3.671	Q1
11	Optimization of the Synthesis of Superhydrophobic Carbon Nanomaterials by Chemical Vapor Deposition	Aljumaily, MM; Alsaadi, MA ; Das, R; Abd Hamid, SB; Hashim, NA; AlOmar, MK; Alayan, HM; Novikov, M; Alsahy, QF; Hashim, MA	2045-2322	Scientific Reports	2018	8				4.259	Q1
12	Suppression of Staphylococcus aureus biofilm formation and virulence by a benzimidazole derivative, UM-C162	Kong, C; Chee, CF ; Richter, K; Thomas, N; Abd Rahman, N; Nathan, S	2045-2322	Scientific Reports	2018	8				4.259	Q1

13	Pyrolytic-deoxygenation of triglycerides model compound and non-edible oil to hydrocarbons over SiO ₂ -Al ₂ O ₃ supported NiO-CaO catalysts	Asikin-Mijan, N; Lee, HV ; Marliza, TS; Taufiq-Yap, YH	0165-2370	Journal of Analytical and Applied Pyrolysis	2018	129		221	230	3.471	Q1
14	Graphene metal nanocomposites - Recent progress in electrochemical biosensing applications	Khalil, I; Rahmati, S; Julkapli, NM ; Yehye, WA	1226-086X	Journal of Industrial and Engineering Chemistry	2018	59		425	439	4.421	Q1
15	Influence of Hydrophobicity of Acetylated Nanocellulose on the Mechanical Performance of Nitrile Butadiene Rubber (NBR) Composites	Taib, MNAM; Yehye, WA ; Julkapli, NM ; Hamid, SBA	1229-9197	Fibers and Polymers	2018	19	2	383	392	1.113	Q1
16	Separation of Chlorella biomass from culture medium by flocculation with rice starch	Choy, SY; Prasad, KMN; Wu, TY; Raghunandan, ME; Phang, SM; Juan, JC ; Ramanan, RN	2211-9264	Algal Research-Biomass Biofuels and Bioproducts	2018	30		162	172	3.994	Q1
17	Starch-based flocculant outperformed aluminium sulfate hydrate and polyaluminium chloride through effective bridging for harvesting acicular microalga Ankistrodesmus	Choy, SY; Prasad, KMN; Wu, TY; Raghunandan, ME; Phang, SM; Juan, JC ; Ramanan, RN	2211-9264	Algal Research-Biomass Biofuels and Bioproducts	2018	29		343	353	3.994	Q1
18	All-carbon suspended nanowire sensors as a rapid highly-sensitive label-free chemiresistive biosensing platform	Thiha A., Ibrahim F., Muniandy S., Dinshaw I.J., Teh S.J., Thong K.L., Leo B.F. , Madou M.	0956-5663	Biosensors and Bioelectronics	2018	107		145	152	7.780	Q1
19	Two novel binuclear sulfonic-functionalized ionic liquids: Influence of anion and carbon-spacer on catalytic efficiency for one-pot synthesis of bis(indolyl)methanes	Khaligh N.G. , Mihankhah T., Johan M.R. , Ching J.J.	0167-7322	Journal of Molecular Liquids	2018	259		260	273	3.648	Q1

20	Unravelling pH-responsive behaviour of Fe ₃ O ₄ @CNCs-stabilized Pickering emulsions under the influence of magnetic field	Low L.E., Tey B.T., Ong B.H. , Tang S.Y.	0032-3861	Polymer	2018	141		93	101	3.684	Q1
21	Enhancing biomass and lipid productions of microalgae in palm oil mill effluent using carbon and nutrient supplementation	Cheah W.Y., Show P.L., Juan J.C. , Chang J.-S., Ling T.C.	0196-8904	Energy Conversion and Management	2018	164		188	197	5.589	Q1
22	Multiplex PCR to discriminate bovine, porcine, and fish DNA in gelatin and confectionery products	Sultana S., Hossain M.A.M., Zaidul I.S.M., Ali M.E.	0023-6438	LWT - Food Science and Technology	2018	92		169	176	2.329	Q1
23	Exposure to Silver Nanospheres Leads to Altered Respiratory Mechanics and Delayed Immune Response in an in Vivo Murine Model	Botelho, D; Leo, BF ; Massa, C; Sarkar, S; Tetley, T; Chung, KF; Chen, S; Ryan, MP; Porter, A; Atochina-Vasserman, EN; Zhang, JF; Schwander, S; Gow, AJ	1663-9812	Frontiers in Pharmacology	2018	9				4.400	Q1
24	Treatment of Cotton by beta-Cyclodextrin/Triclosan Inclusion Complex and Factors Affecting Antimicrobial Properties	Novikov, M; Thong, KL; Zazali, NIM; Abd Hamid, SB	1229-9197	Fibers and Polymers	2018	19	3	548	560	1.113	Q1
25	Mild cell disruption methods for bio-functional proteins recovery from microalgae-Recent developments and future perspectives	Phong, WN; Show, PL; Ling, TC; Juan, JC ; Ng, EP; Chang, JS	2211-9264	Algal Research-Biomass Biofuels and Bioproducts	2018	31		506	516	3.994	Q1
26	Novel rGO-T-C(n) Nanosheets developed via click chemistry as a lubricant anti-wear additive	Bagheri S. , Jamal N., Halilu A., TermehYousefi A.	2045-2322	Scientific Reports	2018	8				4.259	Q1

27	Enhancing rate capability of amorphous nickel phosphate supercapattery electrode via composition with crystalline silver phosphate	Omar F.S., Numan A., Bashir S., Duraisamy N., Vikneswaran R. , Loo Y.-L., Ramesh K., Ramesh S.	0013-4686	Electrochimica Acta	2018	273		216	228	4.798	Q1
28	Modified mesoporous HMS supported Ni for deoxygenation of triolein into hydrocarbon-biofuel production	Zulkepli S., Juan J.C. , Lee H.V. , Rahman N.S.A., Show P.L., Ng E.P.	0196-8904	Energy Conversion and Management	2018	165		495	508	5.589	Q1
29	Fabrication of platinum nitrogen-doped graphene nanocomposite modified electrode for the electrochemical detection of acetaminophen	Anuar N.S., Basirun W.J. , Ladan M., Shalauddin M., Mehmood M.S.	0925-4005	Sensors and Actuators B-Chemical	2018	266		375	383	5.401	Q1
30	Multiplex MPN-PCR for the enumeration of three major Vibrios in raw fishes in Malaysia	Bonny, SQ; Hossain, MAM; Lin, TK; Ali, ME	0956-7135	Food Control	2018	90		459	465	3.496	Q1
31	Electronic and thermoelectric properties of the layered BaFAgCh (Ch = S, Se and Te): First-principles study	Boudiaf K., Bouhemadou A., Al-Douri Y. , Khenata R., Bin-Omran S., Guechi N.	0925-8388	Journal of Alloys and Compounds	2018	759		32	43	3.133	Q1
32	A new approach to evaluate the impact of thermophysical properties of nanofluids on heat transfer and pressure drop	Abdelrazek A.H., Alawi O.A., Kazi S.N., Yusoff N., Chowdhury Z. , Sarhan A.A.D.	0735-1933	International Communications in Heat and Mass Transfer	2018	95		161	170	3.718	Q1
33	One-pot hydrothermal synthesis of strontium titanate nanoparticles photoelectrode using electrophoretic deposition for enhancing photoelectrochemical water splitting	Phoon B.L., Lai C.W. , Pan G.-T., Yang T.C.-K., Juan J.C.	0272-8842	Ceramics International	2018	44	8	9923	9933	2.986	Q1

34	Gelatin controversies in food, pharmaceuticals, and personal care products: Authentication methods, current status, and future challenges	Ali, ME ; Sultana, S; Abd Hamid, SB; Hossain, MAM; Yehya, WA ; Kader, MA; Bhargava, SK	1040-8398	Critical Reviews in Food Science and Nutrition	2018	58	9	1495	1511	6.077	Q1
35	Environmental Control of Vanadium Haloperoxidases and Halocarbon Emissions in Macroalgae	Punitha, T; Phang, SM; Juan, JC ; Beardall, J	1436-2228	Marine Biotechnology	2018	20	3	282	303	2.328	Q1
36	Effect of temperature on the physical, electro-chemical and adsorption properties of carbon micro-spheres using hydrothermal carbonization process	Chowdhury Z.Z. , Krishnan B., Sagadevan S., Rafique R.F., Hamizi N.A.B. , Wahab Y.A. , Khan A.A., Bin Johan R. , Al-Douri Y. , Kazi S.N., Shah S.T.	2079-4991	Nanomaterials	2018	8	8			3.553	Q1
37	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal	Cheah W.Y., Show P.L., Juan J.C. , Chang J.-S., Ling T.C.	0196-8904	Energy Conversion and Management	2018	174		430	438	5.589	Q1
38	Synthesis of 2D boron nitride doped polyaniline hybrid nanocomposites for photocatalytic degradation of carcinogenic dyes from aqueous solution	Shahabuddin, S; Khanam, R; Khalid, M; Sarih, NM; Ching, JJ ; Mohamad, S; Saidur, R	1878-5352	Arabian Journal of Chemistry	2018	11	6	1000	1016	4.553	Q1
39	A facile hydrothermal approach for catalytic and optical behavior of tin oxide- graphene (SnO ₂ /G) nanocomposite	Sagadevan, S; Chowdhury, ZZ ; Bin Johan, MR ; Khan, AA; Aziz, FA; Rafique, RF; Hoque, ME	1932-6203	PLoS One	2018	13	10			2.806	Q1
40	AA- and ABA-stacked carbon nitride (C ₃ N ₄): novel photocatalytic water splitting solar-to-hydrogen energy conversion	Reshak, AH	1463-9076	Physical Chemistry Chemical Physics	2018	22972	22979	20	35	4.123	Q1

41	Ultrasmall superparamagnetic Fe ₃ O ₄ nanoparticles: honey-based green and facile synthesis and in vitro viability assay	Rasouli, E; Basirun, WJ ; Rezayi, M; Shameli, K; Nourmohammadi, E; Khandanlou, R; Izadiyan, Z; Sarkarizi, HK	1176-9114	International Journal of Nanomedicine	2018	13		6903	6911	4.300	Q1
42	Lung cancer: active therapeutic targeting and inhalational nanoparticle design	N. Alhaji, C.F. Chee , T.W. Wong, N. A. Rahman, N.H.A. Kasim, P. Colombo	1742-5247	Expert Opinion on Drug Delivery	2018	15	12	1223	1247	5.657	Q1
1	Stirrer time effect on optical properties of nanophotonic LiNbO ₃	Al-Douri, Y ; Fakhri, MA; Bouhemadou, A; Khenata, R; Ameri, M	0254-0584	Materials Chemistry and Physics	2018	203		243	248	2.084	Q2
2	An investigation of the dye-sensitized solar cell performance using graphene-titania (TrGO) photoanode with conventional dye and natural green chlorophyll dye	Siddick, SZ; Lai, CW ; Juan, JC	1369-8001	Materials Science in Semiconductor Processing	2018	74		267	276	2.359	Q2
3	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate	Ngai K.S., Ramesh S., Ramesh K., Juan J.C.	0009-2614	Chemical Physics Letters	2018	692		19	27	1.815	Q2
4	Polymers for catalysis in water purification	Julkapli N.M. , Bagheri S.	1042-7147	Polymers for Advanced Technologies	2018	29	2	701	707	1.907	Q2
5	A facile chemical route synthesis and characterization of CdSe/ZnO nanocomposite	Das, I; Sagadevan, S; Chowdhury, ZZ ; Vijayan, N	0957-4522	Journal of Materials Science-Materials In Electronics	2018	29	2	1600	1606	2.019	Q2

6	Development, optimization and characterization of a two step sol-gel synthesis route for ZnO/SnO ₂ nanocomposite	Das, I; Sagadevan, S; Chowdhury, ZZ ; Hoque, ME	0957-4522	Journal of Materials Science-Materials In Electronics	2018	29	5	4128	4135	2.019	Q2
7	Development of catalyst complexes for upgrading biomass into ester-based biolubricants for automotive applications: a review	Hossain, MA; Iqbal, MAM; Julkapli, NM ; Kong, PS; Ching, JJ ; Lee, HV	2046-2069	RSC Advances	2018	8	10	5559	5577	3.108	Q2
8	Synthesis, characterization and catalytic activity of melamine immobilized MCM-41 for condensation reactions	Appaturi, JN ; Ramalingam, RJ; Al-Lohedan, HA	1380-2224	Journal of Porous Materials	2018	25	2	629	641	1.624	Q2
9	Eutectic mixture-functionalized carbon nanomaterials for selective amperometric detection of nitrite using modified glassy carbon electrode	Abo-Hamad A., AlSaadi M.A. , Hashim M.A.	1572-6657	Journal of Electroanalytical Chemistry	2018	812		107	114	3.012	Q2
10	Structural, elastic, electronic, optical and thermoelectric properties of the Zintl-phase Ae(3)AlAs(3) (Ae = Sr, Ba)	Benahmed, A; Bouhemadou, A; Alqarni, B; Guechi, N; Al-Douri, Y ; Khenata, R; Bin-Omran, S	1478-6435	Philosophical Magazine	2018	98	13	1217	1240	1.505	Q2
11	Development of a new density correlation for carbon-based nanofluids using response surface methodology	Montazer, E; Salami, E; Yarmand, H; Chowdhury, ZZ ; Dahari, M; Kazi, SN; Badarudin, A	1388-6150	Journal of Thermal Analysis And Calorimetry	2018	132	2	1399	1407	1.953	Q2
12	Swelling behavior and chemical stability of chitosan/nanocellulose biocomposites	Mohaiyiddin, MS; Ong, HL; Othman, MBH; Julkapli, NM ; Villagracia, ARC; Akil, HM	0272-8397	Polymer Composites	2018	39		E567	E572	2.324	Q2
13	Development of nanoparticle-assisted PCR assay in the rapid detection of brain-eating amoebae	Gabriel, S; Rasheed, AK; Siddiqui, R; Appaturi, JN ;	0932-0113	Parasitology Research	2018	117	6	1801	1811	2.329	Q2

		Fen, LB ; Khan, NA										
14	One pot synthesis of hybrid ZnS-Graphene nanocomposite with enhanced photocatalytic activities using hydrothermal approach	Sagadevan, S; Chowdhury, ZZ ; Bin Johan, MR ; Rafique, RF; Aziz, FA	0957-4522	Journal of Materials Science-Materials In Electronics	2018	29	11	9099	9107	2.019	Q2	
15	Enhanced amperometric detection of paracetamol by immobilized cobalt ion on functionalized MWCNTs - Chitosan thin film	Akhter S., Basirun W.J. , Alias Y., Johan M.R. , Bagheri S. , Shalauddin M., Ladan M., Anuar N.S.	0003-2697	Analytical Biochemistry	2018	551		29	36	2.334	Q2	
16	Conversion of glucose into lactic acid using silica-supported zinc oxide as solid acid catalyst	Lau, KS; Chia, CH; Chin, SX; Chook, SW ; Zakaria, S; Juan, JC	0033-4545	Pure and Applied Chemistry	2018	90	6	1035	1043	2.626	Q2	
17	Nanocellulose reinforced as green agent in polymer matrix composites applications	Rashid, ESA; Julkapli, NM ; Yehye, WA	1042-7147	Polymers for Advanced Technologies	2018	29	6	1531	1546	1.907	Q2	
18	Reinforcement effect of nanocellulose on thermal stability of nitrile butadiene rubber (NBR) composites	Rashid, ESA; Julkapli, NBM ; Yehya, WAH	0021-8995	Journal of Applied Polymer Science	2018	135	32			1.860	Q2	
19	A Simple Aluminum Bromide-Promoted Diastereoselective Synthesis of Panduratin A Derivatives	Thy, CK; Murthy, S; Lee, YK; Yaeghoobi, M; Abd Rahman, N; Chee, CF	0936-5214	SynLett	2018	29	10			2.151	Q2	
20	Bambangan (Mangifera pajang) kernel fat: a potential new source of cocoa butter alternative	Jahurul, MHA; Soon, Y; Sharifudin, MS; Hasmadi, M; Mansoor, AH; Zaidul, ISM; Lee, JS; Ali, ME ; Ghafoor, K;	0950-5423	International Journal of Food Science and Technology	2018	53	7	1689	1697	1.640	Q2	

		Zzaman, W; Jinap, S									
21	Evaluating new bio-hydrogen producers: Clostridium perfringens strain JJC, Clostridium bifermentans strain WYM and Clostridium sp strain Ade.TY	Wong, YM; Wu, TY; Ling, TC; Show, PL; Lee, SY; Chang, JS; Ibrahim, S; Juan, JC	1389-1723	Journal of Bioscience and Bioengineering	2018	125	5	590	598	2.240	Q2
22	The Toxic Truth About Carbon Nanotubes in Water Purification: a Perspective View	Das R., Leo B.F. , Murphy F.	1556-276X	Nanoscale Research Letters	2018	13				2.833	Q2
23	Estimation of nanofiltration membrane transport parameters for cobalt ions removal from aqueous solutions	Alsahy Q.F., Mohammed A.A., Ahmed S.H., Rashid K.T., AlSaadi M.A.	1944-3994	Desalination and Water Treatment	2018	108		235	245	1.631	Q2
24	New insights into the photocatalytic endocrine disruptors dimethyl phthalate esters degradation by UV/MWCNTs-TiO2 nanocomposites	Tan T.L., Lai C.W. , Hong S.L., Rashid S.A.	1010-6030	Journal of Photochemistry and Photobiology A: Chemistry	2018	364		177	189	2.625	Q2
25	BTPC-Based DES-Functionalized CNTs for As ³⁺ Removal from Water: NARX Neural Network Approach	Fiyadh S.S., Alsaadi M.A. , Alomar M.K., Fayaed S.S., Mjalli F.S., El-Shafie A.	0733-9372	Journal of Environmental Engineering (United States)	2018	144	8			1.541	Q2
26	Carbon nanotube-based aptasensor for sensitive electrochemical detection of whole-cell Salmonella	Hasan M.R., Pulingam T., Appaturi J.N. , Zifruddin A.N., Teh S.J., Lim T.W., Ibrahim F., Leo B.F. , Thong K.L.	0003-2697	Analytical Biochemistry	2018	554		34	43	2.334	Q2

27	Double gene targeting PCR assay for the detection of <i>Crocodylus porosus</i> in commercial products	Nizar, NNA; Ali, ME ; Hossain, MAM; Sultana, S; Ahamad, MNU	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2018	35	6	1038	1051	2.047	Q2
28	The relationship between iron and Ilmenite for photocatalyst degradation	Lee R.B., Lee K.M. , Lai C.W. , Pan G.-T., Yang T.C.K., Juan J.C.	0921-8831	Advanced Powder Technology	2018	29	8	1779	1786	2.659	Q2
29	Reuse of Selected Lignocellulosic and Processed Biomasses as Sustainable Sources for the Fabrication of Nanocellulose via Ni(II)-Catalyzed Hydrolysis Approach: A Comparative Study	Yahya M., Chen Y.W., Lee H.V. , Hassan W.H.W	1566-2543	Journal of Polymers and the Environment	2018	26	7	2825	2844	1.877	Q2
30	Advancements in electrochemical DNA sensor for detection of human papilloma virus - A review	Rasouli E., Shahnavaz Z. , Basirun W.J. , Rezayi M., Avan A., Ghayour-Mobarhan M., Khandanlou R., Johan M.R.	0003-2697	Analytical Biochemistry	2018	556		136	144	2.334	Q2
31	Influence of Mg Doping on ZnO Nanoparticles for Enhanced Photocatalytic Evaluation and Antibacterial Analysis	Raj, KP; Sadaiyandi, K; Kennedy, A; Sagadevan, S; Chowdhury, ZZ ; Bin Johan, MR ; Aziz, FA; Rafique, RF; Selvi, RT; Bala, RR	1556-276X	Nanoscale Research Letters	2018	13				2.833	Q2

32	Decomposition-adsorption-deposition: An effective and novel technique for synthesis of hexagonal boron nitride microsheets	Ahmad P., Khandaker M.U., Muhammad N., Ahmad I., Rauf Khan M.A., Khan A.A., Khan G., Khan A.S., Ullah Z., Rehman F., Ahmed S.M., Ali H., Rehman M.A., Gulzar M., Iqbal J., Shah S.T., Ahmed S., Shafiq M.	1369-8001	Materials Science in Semiconductor Processing	2018	88		161	166	2.359	Q2
33	Alumina-Supported Cu(II), Co(II), and Fe(II) Complexes as Catalyst for Esterification of Biomass-derived Levulinic Acid with Trimethylolpropane (TMP) and Pentaerythritol (PE) and Upgrading via Hydrogenation	Hossain, MA; Lian, CLY; Islam, MAAAA; Sheikh, MC; Ching, JJ; Voon, LH	1930-2126	BioResources	2018	13	3	5512	5533	1.321	Q2
34	Fabrication and Characterization of Zinc Oxide Nanoparticle-treated Kenaf Polymer Composites for Weather Resistance Based on a Solar UV Radiation	Mohammed, M; Rahman, R; Mohammed, AM; Osman, AF; Adam, T; Dahham, OS; Hashim, U; Noriman, NZ; Betar, BO	1930-2126	BioResources	2018	13	3	6480	6496	1.321	Q2
35	Double gene targeting multiplex PCR-RFLP detects <i>Crocodylus porosus</i> in chicken meatball and traditional medicine	Nizar, NN; Sultana, S; Hossain, MAM; Johan, MR; Ali, ME	1094-2912	International Journal of Food Properties	2018	21	1	2037	2051	1.427	Q2
36	Novel multiplex PCR-RFLP assay discriminates bovine, porcine and fish gelatin substitution in Asian pharmaceuticals capsule shells	Sultana, S; Hossain, MAM; Naquiah, NNA; Ali, ME	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2018	35	9	1662	1673	2.047	Q2

37	Microstructural evolution and micromechanical properties of thermally sprayed hydroxyapatite coating	Saber-Samandari, S; Baradaran, S; Nasiri-Tabrizi, B; Alamara, K; Basirun, WJ	1743-6753	Advances in Applied Ceramics	2018	117	8	452	460	1.325	Q2
38	PVDF-co-HFP/superhydrophobic acetylene-based nanocarbon hybrid membrane for seawater desalination via DCMD	Aljumaily M.M., Alsaadi M.A. , Hashim N.A., Alsahy Q.F., Mjalli F.S., Atieh M.A., Al-Harrasi A.	0263-8762	Chemical Engineering Research and Design	2018	138		248	259	2.538	Q2
39	Adsorption of 2,4-dichlorophenol from water using deep eutectic solvents-functionalized carbon nanotubes	Ibrahim, RK; Al Saadi, MA ; Al Omar, MK; Ibrahim, S	1944-3994	Desalination and Water Treatment	2018	116		214	231	1.631	Q2
40	Acid Hydrazide: A Potential Reagent for the Synthesis of Semicarbazones	Nath, AR; Yehye, WA	0039-7881	Synthesis - Stuttgart	2018	50	21	4301	4312	2.650	Q2
41	Hits-to-Lead Optimization of the Natural Compound 2,4,6-Trihydroxy-3-geranyl-acetophenone (tHGA) as a Potent LOX Inhibitor: Synthesis, Structure-Activity Relationship (SAR) Study, and Computational Assignment	Ng C.H., Rullah K. , Abas F., Lam K.W., Ismail I.S., Jamaludin F., Shaari K.	1420-3049	Molecules	2018	23	10			2.861	Q2
42	Synthesis of bimetallic gold-silver (Au-Ag) nanoparticles for the catalytic reduction of 4-nitrophenol to 4-aminophenol	Berahim N., Basirun W.J. , Leo B.F. , Johan M.R.	2073-4344	Catalysts	2018	8	10			3.082	Q2
43	Ester of thiolated butylated hydroxytoluene: Potential antioxidant for synthetic lubricant oil	Nath A.R., Yehye W.A. , Zulkifli N.W.M., Rafie Johan M.	0040-6031	Thermochimica Acta	2018	670		7	12	2.236	Q2
44	Enhance of TiO ₂ dopants incorporated reduced graphene oxide via RF magnetron sputtering for efficient dye-sensitised solar cells	Low, FW; Lai, CW ; Lee, KM ; Juan, JC	1001-0521	Rare Metals	2018	37	11	919	928	1.189	Q2

45	Impact of TiO ₂ nanotubes morphology on the photocatalytic degradation of simazine pollutant	Suhaimy S.H.M., Lai C.W. , Tajuddin H.A., Samsudin E.M., Johan M.R.	1996-1944	Materials	2018	11	11	2066		2.654	Q2
46	Optical structure modification induced by lattice strain in Mn-doped CdSe QDs	Nor Aliya Hamizi, Mohd Rafie Johan, Zaira Zaman Chowdhury, Yasmin Abdul Wahab, Yarub Al-Douri, Asmalina Mohamed Saat, Omid Akbarzadeh Pivezhani	0925-3467	Optical Materials	2018	86		441	448	2.238	Q2
47	Effect of Cobalt Catalyst Confinement in Carbon Nanotubes Support on Fischer-Tropsch Synthesis Performance	Omid Akbarzadeh, Noor Asmawati Mohd Zabidi, Yasmin Abdul Wahab, Nor Aliya Hamizi, Zaira Zaman Chowdhury, Zulkifli Merican Aljunid Merican, Marlinda Ab Rahman, Shamima Akhter, Elisa Rasouli, Mohd Rafie Johan	2073-8994	Symmetry-Basel	2018	10	11	572		1.457	Q2
48	Facile and greener hydrothermal honey-based synthesis of Fe ₃ O ₄ /Au core/shell nanoparticles for drug delivery applications	Elisa Rasouli, Wan Jeffrey Basirun, Mohd Rafie Johan, Majid Rezayi, Majid Darroudi,	0730-2012	Journal of Cellular Biochemistry	2018			1	8	3.085	Q2

		Kamyar Shamel, Zohreh Shanavaz, Omid Akbarzadeh, Zahra Izadiyan										
49	Waste to energy: the effects of Pseudomonas sp. on Chlorella sorokiniana biomass and lipid productions in palm oil mill effluent	Cheah, W.Y., Show, P.L., Juan, J.C. , Chang, J.-S., Ling, T.C.	1618-954X	Clean Technologies and Environmental Policy	2018	20	9	2037	2045	3.331	Q2	
50	Synthesis and evaluation of nuciferine and roemerine enantiomers as 5-HT ₂ and α ₁ receptor antagonists	H. L. Heng, C. F. Chee , S. P. Chin, Y, Ouyang, H. Wang, M. J. C. Buckle, D. R. Herr, I. C. Paterson, S. W. Doughty, N. A. Rahman, L. Y. Chung	2040-2503	MedChemComm	2018	9		576	582	2.608	Q2	
51	Functionalized carbon nanotubes for adsorptive removal of water pollutants	Kian Mun Lee , Christelle Pau Ping Wong, Tong Ling Tan, Chin Wei Lai	0921-5107	Materials Science and Engineering B-Advanced Functional Solid-State Materials	2018	236-237		61	69	2.552	Q2	
52	Effect on different TiO ₂ photocatalyst supports on photodecolorization of synthetic dyes: a review	Adnan, M. M., Julkapli, N. M. , Amir, M. N. I., Maamor, A.	1735-1472	International Journal of Environmental Science and Technology	2018			1	20	1.915	Q2	
1	An overview on the development of conventional and alternative extractive methods for the purification of agarose from seaweed	Chew, KW; Juan, JC ; Phang, SM; Ling, TC; Show, PL	0149-6395	Separation Science and Technology	2018	53	3	467	480	1.106	Q3	

2	Enrichment, in vitro, and quantification study of antidiabetic compounds from neglected weed Mimosa pudica using supercritical CO ₂ and CO ₂ -Soxhlet	Tunna, TS; Sarker, MZI; Ghafoor, K; Ferdosh, S; Jaffri, JM; Al-Juhaimi, FY; Ali, ME ; Akanda, MJH; Awal, MS; Ahmed, QU; Selamat, J	0149-6395	Separation Science and Technology	2018	53	2	243	260	1.106	Q3
3	Half-Metallic Ferrimagnetic Characteristics of Co(2)YZ (Z = P, As, Sb, and Bi) New Full-Heusler Alloys: a DFT Study	Amrich, O; Monir, ME; Baltach, H; Bin Omran, S; Sun, XW; Wang, XT; Al-Douri, Y ; Bouhemadou, A; Khenata, R	1557-1939	Journal of Superconductivity and Novel Magnetism	2018	31	1	241	250	1.180	Q3
4	Synthesis and characterization of some novel 4-arylglyoxal-chromene derivatives in the presence of a polymeric catalyst and biological evaluation against Escherichia coli	Khaligh, NG	0026-9247	Monatshefte Fur Chemie	2018	149	1	33	38	1.282	Q3
5	Application of TiO ₂ nanoparticles for eco-friendly biodiesel production from waste olive oil	Mihankhah, T; Delnavaz, M; Khaligh, NG	1543-5075	International Journal of Green Energy	2018	15	2	69	75	1.454	Q3
6	One-Pot Multicomponent Synthesis of Pyrazolo[3,4-d]pyrimidine-6-one Derivatives	Abd Hamid, SB; Titinchi, SJJ; Abbo, H; Khaligh, NG	1040-6638	Polycyclic Aromatic Compounds	2018	38	2	189	198	1.569	Q3
7	First-Principle Calculations of Structural, Elastic, and Electronic Properties of Intermetallic Rare Earth R ₂ Ni ₂ Pb (R = Ho, Lu, and Sm) Compounds	Benkaddour, Y; Abdelaoui, A; Yakoubi, A; Khachai, H; Al-Douri, Y ; Bin Omran, S; Shankar, A; Khenata, R; Voon, CH; Prakash, D; Verma, KD	1557-1939	Journal of Superconductivity and Novel Magnetism	2018	31	2	395	403	1.180	Q3

8	Sofosbuvir as treatment against dengue?	Gan, CS; Lim, SK; Chee, CF ; Yusof, R; Heh, CH	1747-0277	Chemical Biology & Drug Design	2018	91	2	448	455	2.396	Q3
9	CdSe Species Decorated TiO ₂ Nanotubes Film Via Chemical Bath Deposition for Enhancing Photoelectrochemical Water Splitting Performance	Lai, CW ; Lau, KS; Abd Samad, NA; Chou, PM	1573-4137	Current Nanoscience	2018	14	2	148	153	1.062	Q3
10	Saccharin and tert-Butyl Nitrite: Cheap and Efficient Reagents for the Synthesis of 1,2,3-Benzotriazine-4-(3H)-ones from 2-Aminobenzamides under Metal-Free Conditions	Khaligh, NG ; Johan, MR ; Ching, JJ	0004-9425	Australian Journal of Chemistry	2018	71		186	189	1.267	Q3
11	A facile one-step hydrothermal synthesis of HfO ₂ /graphene nanocomposite and its physico-chemical properties	Sagadevan, S; Chowdhury, ZZ ; Bin Johan, MR ; Rafique, RF	2053-1591	Materials Research Express	2018	5	3			1.068	Q3
12	Effect of Temperature and Pressure on Structural and Magnetic Properties of Strontium-Filled Skutterudites SrT ₄ Sb ₁₂ : LDA and LSDA Calculations	Amari, M; Ameri, M; Bouyakoub, AZ; Arbouche, O; Bidai, K; Bensaid, D; Ameri, I; Al-Douri, Y	1557-1939	Journal of Superconductivity and Novel Magnetism	2018	31	3	915	923	1.180	Q3
13	Review of Cellulose Smart Material: Biomass Conversion Process and Progress on Cellulose-Based Electroactive Paper	Hassan S.H., Voon L.H. , Velayutham T.S., Zhai L., Kim H.C., Kim J.	2164-6325	Journal of Renewable Materials	2018	6	1	1	25	0.812	Q3
14	The formation of hybrid carbon nanomaterial by chemical vapor deposition: an efficient adsorbent for enhanced removal of methylene blue from aqueous solution	Alayan, HM; Alsaadi, MA ; Das, R; Abo-Hamad, A; Ibrahim, RK; AlOmar, MK; Hashim, MA	0273-1223	Water Science and Technology	2018	77	6	1714	1723	1.197	Q3
15	Enantioselective Syntheses of Flavonoid Diels-Alder Natural Products: A Review	Nasir, SB; Abd Rahman, N; Chee, CF	1570-1794	Current Organic Synthesis	2018	15	2	221	229	1.917	Q3

16	Analysis and characterization of Cu ₂ CdSnS ₄ quaternary alloy nanostructures deposited on GaN	Odeh A.A., Al-Douri Y. , Ameri M., Bouhemadou A.	0973-1458	Indian Journal of Physics	2018	92	6	695	703	0.988	Q3
17	Saccharin: an efficient organocatalyst for the one-pot synthesis of 4-amidocinnolines under metal and halogen-free conditions	Khaligh, NG ; Mihankhah, T; Johan, MR ; Ching, JJ	0026-9247	Monatshefte Fur Chemie	2018	149	6	1083	1087	1.282	Q3
18	Synthesis and characterization of gamma-Fe ₂ O ₃ NPs on silicon substrate for power device application	Athirah, AHN; Chin, AB; Hoong, WY; Hoong, OB ; Aqilah, BA	2053-1591	Materials Research Express	2018	5	6			1.068	Q3
19	Structure, mechanism, and performance evaluation of natural gas hydrate kinetic inhibitors	Shahnazar, S; Bagheri, S ; TermehYousefi, A; Mehrmashhadi, J; Abd Karim, MS; Kadri, NA	0193-4929	Reviews in Inorganic Chemistry	2018	38	1			1.200	Q3
20	Electronic and Magnetic Investigations of Rare-Earth Tm-doped AlGa _N Ternary Alloy	Belhachi, S; Lazreg, A; Dridi, Z; Al-Douri, Y	1557-1939	Journal of Superconductivity and Novel Magnetism	2018	31	6	1767	1771	1.180	Q3
21	Synthesis and characterization of novel binuclear task-specific ionic liquid: an efficient and sustainable sulfonic-functionalized ionic liquid for one-pot synthesis of xanthenes	Khaligh N.G.	0922-6168	Research on Chemical Intermediates	2018	44	7	4045	4062	1.369	Q3
22	Sonication and grinding pre-treatments on Gelidium amansii seaweed for the extraction and characterization of Agarose	Chew, KW; Show, PL; Yap, YJ; Juan, JC ; Phang, SM; Ling, TC; Chang, JS	2095-2201	Frontiers of Environmental Science & Engineering	2018	12	4			1.716	Q3
23	Synthesis and characterization of Cu ₂ CdSnS ₄ quaternary alloy nanostructures	Al-Douri Y. , Odeh A.A., Johan M.R. , Chowdhury Z.Z. , Rafique R.F., Reshak A.H., Voon C.H.	1452-3981	International Journal of Electrochemical Science	2018	13	7	6693	6707	1.469	Q3

24	A facile and sustainable protocol to the preparation of aryl iodides using stable arenediazonium bis(trifluoromethylsulfonyl)imide salts via the telescopic process	Khaligh N.G.	1042-7163	Heteroatom Chemistry	2018	29	2			1.221	Q3
25	Recently applications of tert-butyl nitrite in organic synthesis-part I	Khaligh N.G.	1385-2728	Current Organic Chemistry	2018	22	11	1120	1138	2.075	Q3
26	The tunable permittivity of multi-walled carbon nanotubes/silver nanoparticles reinforced polyvinyl alcohol (PVA) nanocomposites at low frequency	Yusof, Y; Ng, ZY; Wong, YH; Johan, MR	2053-1591	Materials Research Express	2018	5	8			1.068	Q3
27	Techniques for the extraction of phytosterols and their benefits in human health: a review	Uddin, MS; Ferdosh, S; Akanda, JH; Ghafoor, K; Rukshana, AH; Ali, E ; Kamaruzzaman, BY; Fauzi, MB; Hadijah, S; Shaarani, S; Sarker, ZI	0149-6395	Separation Science and Technology	2018	53	14	2206	2223	1.106	Q3
28	A facile and rapid sonochemical synthesis of monodispersed Fe ₃ O ₄ @cellulose nanocrystal nanocomposites without inert gas protection	Low, LE; Tey, BT; Ong, BH ; Tang, SY	1932-2135	Asia-Pacific Journal of Chemical Engineering	2018	13	4			0.836	Q3
29	A review on electrochemically modified carbon nanotubes (CNTs) membrane for desalination and purification of water	Chowdhury, ZZ ; Sagadevan, S; Bin Johan, R ; Shah, ST; Adebesei, A; IslamMd, S; Rafique, RF	2053-1591	Materials Research Express	2018	10	5			1.068	Q3

30	Stability of custom-designed photoreactor for photocatalytic oxidation of Reactive Black 5 dye using zinc oxide	Lee, KM; Lai, CW; Juan, JC	1478-422X	Corrosion Engineering Science and Technology	2018	53	7	462	467	0.879	Q3
31	Iron oxide nanoparticles decorated oleic acid for high colloidal stability	Lai, CW; Low, FW; Tai, MF; Hamid, SBA	0730-6679	Advances in Polymer Technology	2018	37	6	1712	1721	1.291	Q3
32	Shedding Light on Lipase Stability in Natural Deep Eutectic Solvents	Elgharbawy, AA; Hayyan, A; Hayyan, M; Rashid, SN; Nor, MRM; Zulkifli, MY; Alias, Y; Mirghani, MES	0352-9568	Chemical and Biochemical Engineering Quarterly	2018	32	3	359	370	0.923	Q3
33	Arsenic removal from water using N,N-diethylethanolammonium chloride based DESfunctionalized CNTs: (NARX) neural network approach	Fiyadh S.S., AlSaadi M.A. , AlOmar M.K., Fayaed S.S., El-Shafie A.	0003-7214	Journal of Water Supply: Research and Technology - AQUA	2018	67	6	531	542	0.823	Q3
34	An Efficient Synthesis of Pyrrolidinone Derivatives in the Presence of 1,1'-Butylenebis(3-sulfo-3 H -imidazol-1-ium) Chloride	Khaligh, N.G. , Chong, K.F., Mihankhah, T., Titinchi, S., Johan, M.R. , Ching, J.J.	0004-9425	Australian Journal of Chemistry	2018	71	8	566	572	1.267	Q3
35	Synthesis of Tetrahydrotriazoloacridine Derivatives Using an Efficient and Reusable Poly-Organocatalyst	Nader Ghaffari Khaligh , Salam J. J. Titinchi, Mohad Rafie Johan , Juan Joon Ching	1040-6638	Polycyclic Aromatic Compounds	2018					1.569	Q3
36	Growth and optimization of carbon nanotubes in powder activated carbon for an efficient removal of methylene blue from aqueous solution	Alayan HM, Alsaadi MA , AlOmar MK, Hashim MA	0959-3330	Environmental Technology	2018			1	16	1.751	Q3
37	Influence of solution pH on the formation of iron oxide nanoparticles	Durga Devi Suppiah, Mohd Rafie Johan	2053-1591	Materials Research Express	2018	6	1			1.068	Q3

1	Effects of various hydrogenated temperatures on photocatalytic activity of mesoporous titanium dioxide	Soo, CW; Lai, CW ; Pan, GT; Yang, TCK; Lee, KM ; Yusop, RM; Juan, JC	1750-0443	Micro & Nano Letters	2018	13	1	77	82	0.723	Q4
2	Effect of stirring time on the structural parameters of nanophotonic LiNbO3 deposited by spin-coating technique	Al-Douri Y. , Fakhri M.A., Badi N., Voon C.H.	0030-4026	Optik - International Journal for Light and Electron Optics	2018	156		886	890	0.835	Q4
3	Enhanced structural properties of In2O3 nanoparticles at lower calcination temperature synthesised by co-precipitation method	Goh, KW; Johan, MR ; Wong, YH	1750-0443	Micro & Nano Letters	2018	13	2	270	275	0.723	Q4
4	Facile formation of colloidal silver nanoparticles using electrolysis technique and their antimicrobial activity	Lai CW	1750-0443	Micro & Nano Letters	2018	13	3	407	410	0.723	Q4
5	Synthesis of carbon-based quantum dots from starch extracts: Optical investigations	Al-Douri, Y ; Badi, N; Voon, CH	1522-7235	Luminescence	2018	33	2	260	266	1.509	Q4
6	Gd impurities effect on Co2CrSi alloy: first-principle calculations	Yahiaoui, IE; Lazreg, A; Dridi, Z; Al-Douri, Y ; Bouhafs, B	0250-4707	Bulletin of Materials Science	2018	41	1			0.899	Q4
7	Structural, electronic, optical and thermodynamic investigations of NaXF3(X = Ca and Sr): First-principles calculations	Benkabou M.H., Harmel M., Haddou A., Yakoubi A., Baki N., Ahmed R., Al-Douri Y. , Syrotyuk S.V., Khachai H., Khenata R., Voon C.H., Johan M.R.	0577-9073	Chinese Journal of Physics	2018	56	1	131	144	0.514	Q4

8	First-principle calculations of structural, electronic and magnetic investigations of Mn ₂ RuGe _{1-x} Sn _x quaternary Heusler alloys	Semari, F; Dahmane, F; Baki, N; Al-Douri, Y ; Akbudak, S; Ugur, G; Ugur, S; Bouhemadou, A; Khenata, R; Voon, CH	0577-9073	Chinese Journal of Physics	2018	56	2	567	573	0.514	Q4
9	One-step hydrothermal synthesis of titanium dioxide decorated on reduced graphene oxide for dye-sensitised solar cells application	Low, FW; Lai, CW ; Abd Hamid, SB	1475-7435	International Journal of Nanotechnology	2018	15		78	92	0.454	Q4
10	Electronic, optical and thermoelectric investigations of Zintl phase AE ₃ AlAs ₃ (AE = Sr, Ba): First-principles calculations	Bekhti-Siad A., Bettine K., Rai D.P., Al-Douri Y. , Wang X., Khenata R., Bouhemadou A., Voon C.H.	0577-9073	Chinese Journal of Physics	2018	56	3	870	879	0.514	Q4
11	Optimization of fat yield of bambangan (Mangifera pajang) kernel using response surface methodology and its antioxidant activities	Jahurul, MHA; Leykey, B; Sharifudin, MS; Hasmadi, M; Zaidul, ISM; Jinap, S; Ali, ME ; Omar, AKM	2193-4126	Journal of Food Measurement and Characterization	2018	12	2	1427	1438	0.536	Q4
12	Preparation and Characterization of Nickel ferrite Nanoparticles via Co-precipitation Method	Sagadevan, S; Chowdhury, ZZ ; Rafique, RF	1516-1439	Materials Research-Ibero-american Journal of Materials	2018	21	2			0.634	Q4
13	Lubricated Conditions Imposed on Coating Multi-layer on Wear Resistance Under Cr ₂ O ₃ Effect	Al-Samarai, RA; Al-Douri, Y	1516-1439	Materials Research-Ibero-american Journal of Materials	2018	21	4			0.634	Q4
14	Spin-coating technique to investigate structural and optical properties of nano and micro cubic-like photonic LiNbO ₃ under annealing temperature effect	Al-Douri Y. , Voon C.H., Bouhemadou A., Ameri M.	0030-4026	Optik - International Journal for Light and Electron Optics	2018	172		519	525	0.835	Q4

No	Article Title	Authors	ISSN	Journal Name	Year	Vol.	Issue	Start Page	End Page	Impact Factor (Based 2016)	Quartile
1	Physicochemical properties of cocoa butter replacers from supercritical carbon dioxide extracted mango seed fat and palm oil mid-fraction blends	Jahurul M.H.A., Zaidul I.S.M., Sahena F., Sharifudin M.S., Norulaini N.N., Ali M.E. , Hasmadi M., Ghafoor K., Zzaman W., Omar A.K.M.	1985-4668	International Food Research Journal	2018	25	1	143	149		
2	Effect of replacing fishmeal with palm kernel meal supplemented with crude attractants on growth performance of <i>Macrobrachium rosenbergii</i>	Kader M.A., Bulbul M., Abol-Munafi A.B., Sheriff S.B.M., Keong N.W., Ali M.E. , Koshio S.	1844-8143	AAFL Bioflux	2018	11	1	158	166		
3	Modulation of growth performance, immunological responses and disease resistance of juvenile Nile tilapia (<i>Oreochromis niloticus</i>) (Linnaeus, 1758) by supplementing dietary inosine monophosphate	Kader M.A., Bulbul M., Abol-Munafi A.B., Asaduzzaman M., Mian S., Noordin N.B.M., Ali M.E. , Hossain M.S., Koshio S.	2352-5134	Aquaculture Reports	2018	10		23	31		
4	Simple method for functionalization of silica with alkyl silane and organic ligands	Hello K.M., Ibrahim A.A., Shneine J.K., Appaturi J.N.	1026-9185	South African Journal of Chemical Engineering	2018	25		159	168		
5	Structure, Properties, Photocatalytic and Antibacterial Activity and Applications of Zinc Oxide Nanoparticles—An Overview	S Sagadevan, KP Raj, FA Aziz, ZZ Chowdhury, M Johan, R Bin, J Podder	1557-7910	Journal of Bionanoscience	2018	12	4	457	468		

