

No	Article Title	Authors	ISSN	Journal Name	Year	Vol.	Issue	Start Page	End Page	Impact Factor (Based 2015)	Quartile
1	Allyl triphenyl phosphonium bromide based DES-functionalized carbon nanotubes for the removal of mercury from water.	AlOmar, M. K., <b>Alsaadi, M. A.</b> , Hayyan, M., Akib, S., Ibrahim, M., & Hashim, M. A.	0045-6535	Chemosphere	2017	167		44	52	3.698	Q1
2	Facile production of nanostructured cellulose from <i>Elaeis guineensis</i> empty fruit bunch via one pot oxidative-hydrolysis isolation approach	Chen, Y. W., <b>Lee, H. V.</b> , & Abd Hamid, S. B.	0144-8617	Carbohydrate Polymers	2017	157		1511	1524	4.219	Q1
3	Targeting double genes in multiplex PCR for discriminating bovine, buffalo and porcine materials in food chain.	Hossain, M. A. M., <b>Ali, M. E.</b> , Abd Hamid, S. B., Asing, Mustafa, S., Desa, M. N. M., & Zaidul, I. S. M.	0956-7135	Food Control	2017	73		175	184	3.388	Q1
4	Surface modification of reduced graphene oxide film by Ti ion implantation technique for high dye-sensitized solar cells performance.	Low, F. W., <b>Lai, C. W.</b> , & Abd Hamid, S. B.	0272-8842	Ceramics International	2017	43	1	625	633	2.758	Q1
5	Palm olein-in-water Pickering emulsion stabilized by Fe <sub>3</sub> O <sub>4</sub> -cellulose nanocrystal nanocomposites and their responses to pH.	Low, L. E., Tey, B. T., <b>Ong, B. H.</b> , Chan, E. S., & Tang, S. Y.	0144-8617	Carbohydrate Polymers	2017	155		391	399	4.219	Q1
6	A review on latest developments and future prospects of heterogeneous catalyst in biodiesel production from non-edible oils.	Mardhiah, H. H., Ong, H. C., Masjuki, H. H., Lim, S., & <b>Lee, H. V.</b>	1364-0321	Renewable & Sustainable Energy Reviews	2017	67		1225	1236	6.798	Q1
7	Iron oxide nano-material: physicochemical traits and in vitro antibacterial propensity against multidrug resistant bacteria.	Muthukumar, H., Chandrasekaran, N. I., Mohammed, S. N., <b>Pichiah, S.</b> , & Manickam, M.	1226-086X	Journal of Industrial and Engineering Chemistry	2017	45		121	130	4.179	Q1
8	Catalytic evaluation on liquid phase oxidation of vanillyl alcohol using air and H <sub>2</sub> O <sub>2</sub> over mesoporous Cu-Ti composite oxide.	Saha, S., <b>Abd Hamid, S. B.</b> , & Ali, T. H.	0169-4332	Applied Surface Science	2017	394		205	218	3.150	Q1
9	Effect of band gap engineering in anionic-doped TiO <sub>2</sub> photocatalyst.	Samsudin, E. M., & <b>Abd Hamid, S. B.</b>	0169-4332	Applied Surface Science	2017	391		326	336	3.150	Q1

10	Functionalization of carbon nanotubes using eutectic mixtures: A promising route for enhanced aqueous dispersibility and electrochemical activity.	Abo-Hamad, A., Hayyan, M., <b>AlSaadi, M. A.</b> , Mirghani, M. E. S., & Hashim, M. A.	1385-8947	Chemical Engineering Journal	2017	311		326	339	5.310	Q1
11	Equilibrium, kinetic, and thermodynamic studies of lead ion and zinc ion adsorption from aqueous solution onto activated carbon prepared from palm oil mill effluent.	Adebisi, G. A., <b>Chowdhury, Z. Z.</b> , & Alaba, P. A.	0959-6526	Journal of Cleaner Production	2017	148		958	968	4.959	Q1
12	Optimization study of SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> supported bifunctional acid-base NiO-CaO for renewable fuel production using response surface methodology.	Asikin-Mijan, N., <b>Lee, H. V.</b> , Taufiq-Yap, Y. H., Abdulkrem-Alsultan, G., Mastuli, M. S., & Ong, H. C.	0196-8904	Energy Conversion and Management	2017	141		325	338	4.801	Q1
13	Microalgae biorefinery: High value products perspectives.	Chew, K. W., Yap, J. Y., Show, P. L., Suan, N. H., <b>Juan, J. C.</b> , Ling, T. C., Lee, D. J., & Chang, J. S.	0960-8524	Bioresource Technology	2017	229		53	62	4.917	Q1
14	Inactivation, Clearance, and Functional Effects of Lung-Instilled Short and Long Silver Nanowires in Rats.	Chung, K. F., Seiffert, J., Chen, S., Theodorou, I. G., Goode, A. E., <b>Leo, B. F.</b> , McGilvery, C. M., Hussain, F., Wiegman, C., Rossios, C., et al.	1936-0851	ACS Nano	2017	11	3	2652	2664	13.334	Q1
15	Tetraplex PCR assay involving double gene-sites discriminates beef and buffalo in Malaysian meat curry and burger products.	Hossain, M. A. M., <b>Ali, M. E.</b> , Hamid, S. B. A., Hossain, S. M. A., Asing, Nizar, N. N. A., Uddin, M. N., Ali, L., Asaduzzaman, M., & Akanda, M. J. H.	0308-8146	Food Chemistry	2017	224		97	104	4.052	Q1
16	Progress on nanocrystalline cellulose biocomposites.	Julkapli, N. M., & <b>Bagheri, S.</b>	1381-5148	Reactive & Functional Polymers	2017	112		9	21	2.725	Q1
17	Telescopic synthesis of azo compounds via stable arenediazonium bis(trifluoromethane)sulfonimide salts by using tert-butyl nitrite.	<b>Khaligh, N. G.</b>	0143-7208	Dyes and Pigments	2017	139		556	560	4.055	Q1
18	Recent advances in DNA-based electrochemical biosensors for heavy metal ion detection: A review.	Saidur, M. R., Aziz, A. R. A., & <b>Basirun, W. J.</b>	0956-5663	Biosensors & Bioelectronics	2017	90		125	139	7.476	Q1

19	Fabrication of a novel metal chromite - Carbon nanotube composite for the highly efficient electrocatalytic reduction of hydrogen peroxide.	<b>Shahnavaz, Z.</b> , & Abd Hamid, S. B.	0169-4332	Applied Surface Science	2017	407		379	385	3.150	Q1
20	An application of ultrasound technology in synthesis of titania-based photocatalyst for degrading pollutant.	Teh, C. Y., Wu, T. Y., & <b>Juan, J. C.</b>	1385-8947	Chemical Engineering Journal	2017	317		586	612	5.310	Q1
21	Understanding the effect of synthesis parameters on the catalytic ionic liquid hydrolysis process of cellulose nanocrystals	Iskak, NAM, <b>Julkapli, NM</b> , Hamid, SBA	0969-0239	Cellulose	2017	24	6	2469	2481	3.195	Q1
22	Development of Frequency Based Taste Receptors Using Bioinspired Glucose Nanobiosensor	Yousefi, AT, Tateno, K, <b>Bagheri, S</b> , Tanaka, H	2045-2322	Scientific Reports	2017	7		1623		5.228	Q1
23	Cobalt oxide nanocubes interleaved reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction in alkaline medium	Shahid, MM, Rameshkumara, P, <b>Basirun, WJ</b> , Ching, JJ, Huang, NM	0013-4686	Electrochimica Acta	2017	237		61	68	4.803	Q1
24	H2 sensor based on tapered optical fiber coated with MnO2 nanostructures	Yahya, NAM, Hamid, MRY, Ibrahim, SA, <b>Ong, BH</b> , Rahman, NA, Zain, ARM, Mandi, MA, Yaacob, MH	0925-4005	Sensors and Actuators B-Chemical	2017	246		421	427	4.758	Q1
25	Bimetallic Cu-Ni catalysts supported on MCM-41 and Ti-MCM-41 porous materials for hydrodeoxygenation of lignin model compound into transportation fuels	Ambursa, MM, Sudarsanam, P, <b>Voon, LH</b> , Abd Hamid, SB, Bhargava, SK	0378-3820	Fuel Processing Technology	2017	162		87	97	3.847	Q1
26	SrCr <sub>x</sub> Fe <sub>12-x</sub> O <sub>19</sub> nanoceramics as an effective catalyst for desulfurization of liquid fuels: Green sol-gel synthesis, characterization, magnetic and optical properties	Mandizadeh, S, Soofivand, F, <b>Bagheri, S</b> , Salavati-Niasari, M	1932-6203	PLoS One	2017	12	5	e0162891		3.057	Q1
27	Experimental Study on Heat Transfer and Thermo-Physical Properties of Covalently Functionalized Carbon Nanotubes Nanofluids in an Annular Heat Exchanger: A Green and Novel Synthesis	Hosseini, M, Sadri, R, Kazi, SN, <b>Bagheri, S</b> , Zubir, N, Teng, CB, Zaharinie, T	0887-0624	Energy & Fuels	2017	31	5	5635	5644	2.835	Q1
28	Quantitative Tetraplex Real-Time Polymerase Chain Reaction Assay with TaqMan Probes Discriminates Cattle, Buffalo, and Porcine Materials in Food Chain	Hossain, MAM, <b>Ali, ME</b> , Sultana, S, Asing, Bonny, SQ, Kader, MA, Rahman, MA	0021-8561	Journal of Agricultural and Food Chemistry	2017	19	65	3975	3985	2.857	Q1

29	Novel preparation of highly photocatalytically active copper chromite nanostructured material via a simple hydrothermal route	Beshkar, F, Zinatloo-Ajabshir, S, <b>Bagheri, S</b> , Salavati-Niasari, M	1932-6203	PLoS One	2017	12	6	e0158549		3.057	Q1
30	Scalable bio-friendly method for production of homogeneous metal oxide nanoparticles using green bovine skin gelatin	Alnarabiji, MS; Yahya, N; Hamed, Y; Ardakani, SEM; Azizi, K; Klemes, JJ; Abdullah, B; Tasfy, SFH; <b>Abd Hamid, SB</b> ; Nashed, O	0959-6526	Journal of Cleaner Production	2017	162		186	194	4.959	Q1
31	Effect of accelerated storage on chemical compositions of mango seed fat and palm oil mid-fraction blends as cocoa butter replacers	Jahurul, MHA; Jing, YW; Foong, CY; Shaarani, SM; Zaidul, ISM; Jinap, S; Hasmadi, M; <b>Ali, ME</b> ; Nyam, KL	0023-6438	LWT-Food Science and Technology	2017	84		551	554	2.711	Q1
32	GaNO colloidal nanoparticles synthesis by nanosecond pulsed laser ablation: Laser fluence dependent optical absorption and structural properties	<b>Al-Douri Y.</b> , Abdulateef S.A., Odeh A.A., Voon C.H., Badi N.	0032-5910	Powder Technology	2017	320		457	461	2.759	Q1
33	Study of environmentally friendly and facile functionalization of graphene nanoplatelet and its application in convective heat transfer	Sadri R., Hosseini M., Kazi S.N., <b>Bagheri S.</b> , Ahmed S.M., Ahmadi G., Zubir N., Sayuti M., Dahari M.	0196-8904	Energy Conversion and Management	2017	150		26	36	4.801	Q1
34	Structural, morphological and electrical properties of Cd <sup>2+</sup> doped MgFe <sub>2</sub> -xO <sub>4</sub> ferrite nanoparticles	Batoo K.M., Kumar G., Yang Y., <b>Al-Douri Y.</b> , Singh M., Jotania R.B., Imran A.	0925-8388	Journal of Alloys and Compounds	2017	726		179	186	3.014	Q1
35	Graphene– gold based nanocomposites applications in cancer diseases; Efficient detection and therapeutic tools	Al-Ani L.A., <b>AlSaadi M.A.</b> , Kadir F.A., Hashim N.M., <b>Julkapli N.M.</b> , <b>Yehye W.A.</b>	0223-5234	European Journal of Medicinal Chemistry	2017	139		346	366	3.902	Q1
36	Carbon nanofiber-based copper/zirconia catalyst for hydrogenation of CO <sub>2</sub> to methanol	Din I.U., Shaharun M.S., Naeem A., Tasleem S., <b>Johan M.R.</b>	2212-9820	Journal of CO <sub>2</sub> Utilization	2017	21		145	155	4.764	Q1
37	Controllable synthesis of Graphene/ZnO-nanocomposite for novel switching	Sagadevan S., Pal K., <b>Chowdhury Z.Z.</b> , Foley M.	0925-8388	Journal of Alloys and Compounds	2017	728		645	654	3.014	Q1

38	Nanocomposite of functionalized graphene and molybdenum disulfide as friction modifier additive for lubricant	Farsadi M., <b>Bagheri S.</b> , Ismail N.A.	0167-7322	Journal of Molecular Liquids	2017	244		304	308	2.740	Q1
39	Investigation of optimal conditions for production of highly crystalline nanocellulose with increased yield via novel Cr(III)-catalyzed hydrolysis: Response surface methodology	Chen Y.W., <b>Lee H.V.</b> , Abd Hamid S.B.	0144-8617	Carbohydrate Polymers	2017	178		57	68	4.219	Q1
40	Recent progress in catalytic conversion of microalgae oil to green hydrocarbon: A review	Choo, MY, Oi, LE, Show, PL, Chang, JS, Ling, TC, Ng, EP, Phang, SM, <b>Juan, JC</b>	1876-1070	Journal of the Taiwan Institute of Chemical Engineers	2017	79		116	124	2.848	Q1
41	Surface functionalization of iron oxide nanoparticles with gallic acid as potential antioxidant and antimicrobial agents	Shah S.T., <b>Yehye W.A.</b> , Saad O., Simarani K., <b>Chowdhury Z.Z.</b> , Alhadi A.A., Al-Ani L.A	2079-4991	Nanomaterials	2017	7	10	306		2.690	Q1
42	Graphene-based label-free electrochemical aptasensor for rapid and sensitive detection of foodborne pathogen	Muniandy, S; Dinshaw, IJ; Teh, SJ; <b>Lai, CW</b> ; Ibrahim, F; Thong, KL; <b>Leo, BF</b>	1618-2642	Analytical and Bioanalytical Chemistry	2017	409	29	6893	6905	3.125	Q1
43	Highly Active Ruthenium Supported on Magnetically Recyclable Chitosan-Based Nanocatalyst for Nitroarenes Reduction	Liew, KH; Rocha, M; Pereira, C; Pires, AL; Pereira, AM; Yarmo, MA; <b>Juan, JC</b> ; Yusop, RM; Peixoto, AF; Freire, C	1867-3880	ChemCatChem	2017	9	20	3930	3941	4.724	Q1
44	Production of green diesel via cleaner catalytic deoxygenation of Jatropha curcas oil	Asikin-Mijan, N; <b>Lee, HV</b> ; Abdulkareem-Alsultan, G; Afandi, A; Taufiq-Yap, YH	0959-6526	Journal of Cleaner Production	2017	167		1048	1059	4.959	Q1
45	Deoxygenation of waste cooking to renewable diesel over walnut shell-derived nanorode activated carbon supported CaO-La <sub>2</sub> O <sub>3</sub> catalyst	Alsultan G.A., Asikin-Mijan N., <b>Lee H.V.</b> , Albazzaz A.S., Taufiq-Yap Y.H.	0196-8904	Energy Conversion and Management	2017	151		311	323	4.801	Q1
46	Easy Fabrication of Highly Thermal-Stable Cellulose Nanocrystals Using Cr(NO <sub>3</sub> ) <sub>3</sub> Catalytic Hydrolysis System: A Feasibility Study from Macro- to Nano-Dimensions.	Chen, Y. W., Tan, T. H., <b>Lee, H. V.</b> , & Abd Hamid, S. B.	1996-1944	Materials	2017	10	42	1	24	2.728	Q1
47	Highly Active and Reusable Kenaf Cellulose Supported Bio-Poly(hydroxamic acid) Functionalized Copper Catalysts for C-N Bond Formation Reactions.	Hajar, S., Islam, M. S., Rahman, M. L., Rashid, S. S., <b>Chowdhury, Z. Z.</b> , <b>Ali, M. E.</b> , & Sarkar, S. M.	1930-2126	BioResources	2017	12	1	882	898	1.334	Q1

48	Equilibrium Isotherm, Kinetic, and Thermodynamic Studies of Divalent Cation Adsorption onto Calamus gracilis Sawdust-Based Activated Carbon	Adebisi, GA, <b>Chowdhury, ZZ</b> , Abd Hamid, SB, <b>Ali, E</b>	1930-2126	BioResources	2017	12	2	2872	2898	1.334	Q1
49	Comparative Evaluation of Physiochemical Properties of a Solid Fuel Derived from Adansonia digitata Trunk using Torrefaction	<b>Chowdhury, ZZ</b> , Pal, K, <b>Bin Johan, R</b> , Dabdawb, WAY, Ali, ME, Rafique, RF	1930-2126	BioResources	2017	12	2	3816	3833	1.334	Q1
50	Controlled synthesis of anisotropic hexagonal boron nitride nano-web	Ahmad, P; Khandaker, MU; Shah, ST; Rehman, F; Khan, G; Muhammad, N; Rehman, MA; Khan, AS; Ahmed, SM; Gulzar, M; Numan, A; Ali, H	1369-8001	Materials Science in Semiconductor Processing	2017	66		44	49	2.264	Q1
1	Dietary supplementation of inosine monophosphate promotes cellular growth of muscle and upregulates growth-related gene expression in Nile tilapia Oreochromis niloticus.	Asaduzzaman, M., Ikeda, D., Abol-Munafi, A. B., Bulbul, M., <b>Ali, M. E.</b> , Kinoshita, S., Watabe, S., & Kader, M. A.	0044-8486	Aquaculture	2017	468		297	306	1.893	Q2
2	Novel deep eutectic solvent-functionalized carbon nanotubes adsorbent for mercury removal from water.	AlOmar, M. K., <b>Alsaadi, M. A.</b> , Jassam, T. M., Akib, S., & Hashim, M. A.	0021-9797	Journal of Colloid and Interface Science	2017	497		413	421	3.782	Q2
3	Rapid investigation of alpha-glucosidase inhibitory activity of Phaleria macrocarpa extracts using FTIR-ATR based fingerprinting.	Easmin, S., Sarker, M. Z. I., Ghafoor, K., Ferdosh, S., Jaffri, J., <b>Ali, M. E.</b> , Mirhosseini, H., Al-Juhaimi, F. Y., Perumal, V., & Khatib, A.	1021-9498	Journal of Food and Drug Analysis	2017	25	2	306	315	1.980	Q2
4	Immobilization of glucose oxidase on 3D graphene thin film: Novel glucose bioanalytical sensing platform.	Mansouri, N., Babadi, A. A., <b>Bagheri, S.</b> , & Abd Hamid, S. B.	0360-3199	International Journal of Hydrogen Energy	2017	42	2	1337	1343	3.205	Q2
5	Microencapsulation of fish oil using supercritical antisolvent process	Karim, FT; Ghafoor, K; Ferdosh, S; Al-Juhaimi, F; <b>Ali, E</b> ; Bin Yunus, K; Hamed, MH; Islam, A; Asif, M; Sarker, MZI	1021-9498	Journal of Food and Drug Analysis	2017	25	3	654	666	1.980	Q2

6	Structural, dielectric and optical investigation of chemically synthesized Ag-doped ZnO nanoparticles composites	Sagadevan, S; Pal, K; <b>Chowdhury, ZZ</b> ; Hoque, ME	0928-0707	Journal of Sol-Gel Science and Technology	2017	2	83	394	404	1.473	Q2
7	A bio-based, facile approach for the preparation of covalently functionalized carbon nanotubes aqueous suspensions and their potential as heat transfer fluids	Sadri, R; Hosseini, M; Kazi, SN; <b>Bagheri, S</b> ; Zubir, N; Solangi, KH; Zaharinie, T; Badarudin, A	0021-9797	Journal of Colloid and Interface Science	2017	504		115	123	3.785	Q2
8	Enhancement of glucose oxide electron-transfer mechanism in glucose biosensor via optimum physical chemistry of functionalized carbon nanotubes	TermehYousefi, A; Tanaka, H; <b>Bagheri, S</b>	0167-8299	Reviews in Chemical Engineering	2017	33	2	201	215	2.163	Q2
9	Immobilized copper ions on MWCNTS-Chitosan thin film: Enhanced amperometric sensor for electrochemical determination of diclofenac sodium in aqueous solution	Shalauddin, M; Akhter, S; <b>Bagheri, S</b> ; Abd Karim, MS; Kadri, NA; Basirun, WJ	0360-3199	International Journal of Hydrogen Energy	2017	42	31	19951	19960	3.205	Q2
10	Synthesis and bio-physical characterization of Silver nanoparticle and Ag-mesoporous MnO <sub>2</sub> nanocomposite for anti-microbial and anti-cancer activity	Ramalingam J., Vaali-Mohammed M.-A., Al-Lohedan H.A., <b>Appaturi J.N.</b>	0167-7322	Journal of Molecular Liquids	2017	243		348	357	2.740	Q2
11	Catalytic upgrading of bio oil model compound into polyol ester via green alginate catalyzed esterification reaction	Cheryl-Low Y.L., <b>Lee H.V.</b> , Abd Hamid S.B.	0944-1344	Process Safety and Environmental Protection	2017	111		160	169	2.078	Q2
12	Room temperature synthesis of TiO <sub>2</sub> supported chitosan photocatalyst: Study on physicochemical and adsorption photo-decolorization properties.	Afzal, S., Samsudin, E. M., <b>Mun, L. K., Julkapli, N. M.</b> , & Abd Hamid, S. B.	0025-5408	Materials Research Bulletin	2017	86		24	29	2.435	Q2
13	Cadmium-manganese oxide composite thin films: Synthesis, characterization and photoelectrochemical properties.	Mansoor, M. A., Ebadi, M., Mazhar, M., Huang, N. M., Mun, L. K., Misran, M., & <b>Basirun, W. J.</b>	0254-0584	Materials Chemistry and Physics	2017	186		286	294	2.101	Q2
14	Development and validation of short-amplicon length PCR assay for macaques meat detection under complex matrices.	<b>Ali, M. E.</b> , Rashid, N. R. A., Abd Hamid, S. B., Hossain, S. M. A., Asing, A., Hossain, M. A. M., & Zaidul, I. S. M.	1094-2912	International Journal of Food Properties	2017	20	1	231	245	1.586	Q2

15	Mo <sub>3</sub> VO <sub>x</sub> catalyst in biomass conversion: A review in structural evolution and reaction pathways.	<b>Bagheri, S., &amp; Julkapli, N. M.</b>	0360-3199	International Journal of Hydrogen Energy	2017	42	4	2116	2126	3.205	Q2
16	Effect of Ti loading on structure-activity properties of Cu-Ni/Ti-MCM-41 catalysts in hydrodeoxygenation of guaiacol.	Hamid, S. B. A., Ambursa, M. M., Sudarsanam, P., <b>Voon, L. H.</b> , & Bhargava, S. K.	1566-7367	Catalysis Communications	2017	94		18	22	3.389	Q2
17	Photocatalytic Water Oxidation on ZnO: A Review.	Hamid, S. B. A., Teh, S. J., & <b>Lai, C. W.</b>	2073-4344	Catalysts	2017	7	3	1	14	2.964	Q2
18	Effect of adding brewery wastewater to pulp and paper mill effluent to enhance the photofermentation process: wastewater characteristics, biohydrogen production, overall performance, and kinetic modeling.	Hay, J. X. W., Wu, T. Y., <b>Juan, J. C.</b> , & Jahim, J. M.	0944-1344	Environmental Science and Pollution Research	2017	24	11	10354	10363	2.76	Q2
19	Corrosion protection of AISI 1018 steel using Co-doped TiO <sub>2</sub> /polypyrrole nanocomposites in 3.5% NaCl solution.	Ladan, M., <b>Basirun, W. J.</b> , Kazi, S. N., & Rahman, F. A.	0254-0584	Materials Chemistry and Physics	2017	192		361	373	2.101	Q2
20	Porous 3D carbon decorated Fe <sub>3</sub> O <sub>4</sub> nanocomposite electrode for highly symmetrical supercapacitor performance.	Lim, Y. S., <b>Lai, C. W.</b> , & Abd Hamid, S. B.	2046-2069	RSC Advances	2017	7	37	23030	23040	3.289	Q2
21	Study of reduced graphene oxide film incorporated of TiO <sub>2</sub> species for efficient visible light driven dye-sensitized solar cell.	Low, F. W., <b>Lai, C. W.</b> , & Abd Hamid, S. B.	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	4	3819	3836	1.798	Q2
22	CuZrO <sub>3</sub> nanoparticles catalyst in aerobic oxidation of vanillyl alcohol.	Saha, S., & <b>Abd Hamid, S. B.</b>	2046-2069	RSC Advances	2017	7	16	9914	9925	3.289	Q2
23	Palladium and carbon synergistically catalyzed room-temperature hydrodeoxygenation (HDO) of vanillyl alcohol - A typical lignin model molecule	Wang, Q, Gupta, N, Wen, GD, <b>Abd Hamid, SB</b> , Su, DS	2095-4956	Journal of Energy Chemistry	2017	26	1	8	16	2.322	Q2
24	The contribution of leaching to nutrient release from leaf litter of two emergent tree species in a Malaysian tropical peat swamp forest	Ong, CSP, <b>Joon, CJ</b> , Yule, CM	0018-8158	Hydrobiologia	2017	794	1	125	137	2.051	Q2
25	Highly oil-dispersed functionalized reduced graphene oxide nanosheets as lube oil friction modifier	Ismail, NA, <b>Bagheri, S</b>	0921-5107	Materials Science and Engineering B-Advanced Functional Solid State Materials	2017	222		34	42	2.331	Q2



26	Morphology-controlled synthesis, characterization and photocatalytic property of hierarchical flower-like Dy <sub>2</sub> Mo <sub>3</sub> O <sub>9</sub> nanostructures	Namvar, F; Beshkar, F; Salavati-Niasari, M; <b>Bagheri, S</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	14	10313	10320	1.798	Q2
27	Hydrothermal synthesis of zinc stannate nanoparticles spectroscopic investigation	Sagadevan, S; Singh, J; Pal, K; <b>Chowdhury, ZZ</b> ; Hoque, ME	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	15	11268	11274	1.798	Q2
28	A chemical synthesized Al-doped PbS nanoparticles hybrid composite for optical and electrical response	Sagadevan, S; Pal, K; Hoque, E; <b>Chowdhury, ZZ</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	15	10902	10908	1.798	Q2
29	Applied bias photon-to-current conversion efficiency of ZnO enhanced by hybridization with reduced graphene oxide	Hamid, SBA; Teh, SJ; <b>Lai, CW</b> ; Perathoner, S; Centi, G	2095-4956	Journal of Energy Chemistry	2017	26	2	302	308	2.322	Q2
30	Facile preparation of Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> -ZrO <sub>2</sub> nanocomposites as an effective photocatalyst via a new route	Zinatloo-Ajabshir, S; Zinatloo-Ajabshir, Z; Salavati-Niasari, M; <b>Bagheri, S</b> ; Abd Hamid, SB	2095-4956	Journal of Energy Chemistry	2017	26	2	315	323	2.322	Q2
31	Giant vesicles (GV) in colloidal system under the optical polarization microscope (OPM)	Khalid, K; Noh, MAM; Khan, MN; Ishak, R; Penney, E; <b>Chowdhury, ZZ</b> ; Hamzah, MH; Othman, M	0968-4328	Micron	2017	100		30	33	1.838	Q2
32	Ilmenite: Properties and photodegradation kinetic on Reactive Black 5 dye	Lee, RB; Juan, JC; Lai, CW; <b>Lee, KM</b>	1001-8417	Chinese Chemical Letters	2017	28	7	1613	1618	1.947	Q2
33	Structural dynamics of molybdenum vanadium oxide (MoVOx) Influence of activation condition	<b>Suppiah, DD</b> ; Komar, A; Abd Hamid, SB	1388-6150	Journal of Thermal Analysis and Calorimetry	2017	129	3	1367	1376	1.781	Q2
34	Fabrication of CuO nanoparticles for structural, optical and dielectric analysis using chemical precipitation method	Sagadevan, S; Pal, K; <b>Chowdhury, ZZ</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	17	12591	12597	1.798	Q2
35	Hydrothermal preparation of reduced graphene oxide/tungsten trioxide nanocomposites with enhanced electrochemical performance	Wong, CPP; Lee, KM; <b>Lai, CW</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	19	14554	14567	1.798	Q2

36	Magnetically separable Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @TiO <sub>2</sub> nanostructures supported by neodymium(III): fabrication and enhanced photocatalytic activity for degradation of organic pollution	Mortazavi-Derazkola, S; Salavati-Niasari, M; Mazhari, MP; Khojasteh, H; Hamadani, M; <b>Bagheri, S</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	19	14271	14281	1.798	Q2
37	Effect of copper on the growth and photochemical properties of lanthanum manganite film electrode	Pan G.-T., Chong S., Yang T.C.-K., Shukla P., Chiu W.S., <b>Juan J.C.</b>	2211-3797	Results in Physics	2017	7		2118	2123	1.337	Q2
38	Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts	Asikin-Mijan, N, <b>Lee, HV</b> , Juan, JC, Noorsaadab, AR, Taufici-Yap, YH	2046-2069	RSC Advances	2017	7	73	46445	46460	3.289	Q2
39	Facile synthesis and characterization of CdTiO <sub>3</sub> nanoparticles by Pechini sol-gel method	Salavati-Niasari, M, Soofivand, F, Sobhani-Nasab, A; Shakouri-Arani, M, Hamadani, M, <b>Bagheri, S</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	20	14965	14973	1.798	Q2
40	CBD progression of Ti-doped ZnO thin film spectroscopic characterizations	Sagadevan, S; Pal, K; <b>Chowdhury, ZZ</b> ; Podder, J	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	21	16554	16560	1.798	Q2
41	A single-step synthesis of nitrogen-doped graphene sheets decorated with cobalt hydroxide nanoflakes for the determination of dopamine	Shahid, MM; Ismail, AH; AL-Mokaram, AAAAA; <b>Vikneswaran, R</b> ; Ahmad, S; Hamza, A; Numan, A	1002-0071	Progress in Natural Science-Materials International	2017	27	5	582	587	1.753	Q2
42	Facile preparation of nanocrystalline TiO <sub>2</sub> thin films using electrophoretic deposition for enhancing photoelectrochemical water splitting response	Phoon, BL; Pan, GT; Yang, TCK; <b>Lee, KM; Lai, CW; Juan, JC</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	21	16244	16253	1.798	Q2
43	Scalable synthesis of CdS-Graphene nanocomposite spectroscopic characterizations	Sagadevan, S; Pal, K; <b>Chowdhury, ZZ</b>	0957-4522	Journal of Materials Science-Materials in Electronics	2017	28	22	17193	17201	1.798	Q2
44	Development of an aptasensor using reduced graphene oxide chitosan complex to detect Salmonella	Dinshaw I.J., Muniandy S., Teh S.J., Ibrahim F., <b>Leo B.F.</b> , Thong K.L.	1572-6657	Journal of Electroanalytical Chemistry	2017	806		88	96	2.822	Q2
45	Synthesis of N-methyl imines in the presence of poly(N-vinylpyridine) as a reusable solid base catalyst by a mechanochemical process.	<b>Khaligh, N. G.</b> , Abbo, H. S., & Titinchi, S. J. J.	0922-6168	Research on Chemical Intermediates	2017	43	2	901	910	1.833	Q2

46	GC-MS study of thermochemical conversion of guaifenesin in the presence of 1-butyl-3-methylimidazolium-based ionic liquids	Abd Hamid, SB; <b>Khaligh, NG</b> ; Sharifi, M; Johari, S	0922-6168	Research on Chemical Intermediates	2017	43	7	4007	4021	1.833	Q2
47	Efficient synthesis of butyl levulinate from furfuryl alcohol over ordered mesoporous Ti-KIT-6 catalysts for green chemistry applications	<b>Appaturi, JN</b> ; <b>Johan, MR</b> ; Ramalingam, RJ; Al-Lohedan, HA; Vijaya, JJ	2046-2069	RSC Advances	2017	7	87	55206	55214	3.289	Q2
48	Microwave-assisted degradation of guaifenesin (GGE) to produce novel compounds in the presence of imidazolium-based ionic liquids	Abd Hamid, SB; <b>Khaligh, NG</b> ; Johari, S; Sharifi, M	1388-6150	Journal of Thermal Analysis and Calorimetry	2017	130	3	1513	1529	1.781	Q2
49	Nanocellulose as a green and sustainable emerging material in energy applications: a review	<b>Julkapli, NM</b> ; <b>Bagheri, S</b>	1042-7147	Polymers for Advanced Technologies	2017	28	12	1583	1594	1.823	Q2
50	Multiplex PCR assay discriminates rabbit, rat and squirrel meat in food chain	Ahamad, MNU; <b>Ali, ME</b> ; Hossain, MAM; Asing, A; Sultana, S; Jahurul, MHA	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2017	34	12	2043	2057	1.878	Q2
1	N,N-Diethylethanolammonium chloride-based DES-functionalized carbon nanotubes for arsenic removal from aqueous solution	AlOmar, MK; <b>Alsaadi, MA</b> ; Aljumaily, MM; Akib, S; Jassam, TM; Hashim, MA	1944-3994	Desalination and Water treatment	2017	74		163	173	1.272	Q3
2	Cycloaddition of carbon dioxide with propylene oxide using zeolitic imidazolate framework ZIF-23 as a catalyst.	Ryu, H., Roshan, R., Kim, M. I., Kim, D. W., <b>Selvaraj, M.</b> , & Park, D. W.	0256-1115	Korean Journal of Chemical Engineering	2017	34	3	928	934	1.408	Q3
3	Succinimide-N-sulfonic Acid as a Recyclable Bronsted Acid Catalyst for Synthesis of Pyrano 4,3-b pyran Derivatives by Using Solar Energy Under Solvent-Free Conditions.	<b>Khaligh, N. G.</b> , Abd Hamid, S. B., & Titinchi, S. J. J.	1040-6638	Polycyclic Aromatic Compounds	2017	37	1	31	38	0.959	Q3
4	Identification of bioactive compounds with GC-Q-TOF-MS in the extracts from Clinacanthus nutans using subcritical carbon dioxide extraction.	Alam, M. A., Zaidul, I. S. M., Ghafoor, K., Ferdosh, S., <b>Ali, M. E.</b> , Mirhosseini, H., Kamaruzzaman, B. Y., Jahurul, M. H. A., & Khatib, A.	1383-5866	Separation Science and Technology	2017	52	5	852	863	1.083	Q3

5	Effective adsorption and photodegradation of methyl orange by TiO <sub>2</sub> -chitosan supported glass plate photocatalysis.	Amir, M. N. I., <b>Julkapli, N. M.</b> , & Abd Hamid, S. B.	1066-7857	Materials Technology	2017	32	4	256	264	1.442	Q3
6	Mixed-phase TiO <sub>2</sub> photocatalysis: correlation between phase composition and photodecomposition of water pollutants.	<b>Bagheri, S.</b> , & Julkapli, N. M.	0193-4929	Reviews in Inorganic Chemistry	2017	37	1	11	28	1.556	Q3
7	A novel, eco-friendly technique for covalent functionalization of graphene nanoplatelets and the potential of their nanofluids for heat transfer applications.	Sadri, R., Hosseini, M., Kazi, S. N., <b>Bagheri, S.</b> , Zubir, N., Ahmadi, G., Dahari, M., & Zaharinie, T.	0009-2614	Chemical Physics Letters	2017	675		92	97	1.860	Q3
8	Structural, optical and dielectric investigation of CdFe <sub>2</sub> O <sub>4</sub> nanoparticles	Sagadevan, S; Pal, K; <b>Chowdhury, ZZ</b> ; Hoque, ME	2053-1591	Materials Research Express	2017	4	7			0.968	Q3
9	Photocatalytic activities and photoinduced fusion of gold-modified titania nanoparticle	<b>Julkapli, NM</b> ; <b>Bagheri, S</b> ; <b>Abdullah, FZ</b>	0193-4929	Reviews in Inorganic Chemistry	2017	37	2	95	103	1.556	Q3
10	Structural, elastic and lattice dynamical properties of the alkali metal tellurides: First-principles study	Souadia, Z; Bouhemadou, A; Khenata, R; <b>Al-Douri, Y</b>	0921-4526	Physica B-Condensed Matter	2017	521		204	214	1.352	Q3
11	Hydrostatic pressure effects on the structural, elastic and thermodynamic properties of the complex transition metal hydrides A(2)OsH(6) (A=Mg, Ca, Sr and Ba)	Souadia, Z; Bouhemadou, A; Boudrifa, O; Bin-Omran, S; Khenata, R; <b>Al-Douri, Y</b>	0895-7959	High Pressure Research	2017	37	4	558	578	1.014	Q3
12	Chemically stabilized reduced graphene oxide/zirconia nanocomposite: synthesis and characterization	Sagadevan, S; <b>Chowdhury, ZZ</b> ; Hoque, ME; Podder, J	2053-1591	Materials Research Express	2017	4	11			0.968	Q3
13	Stability of tungsten oxide nanotubes film for improving photocatalytic oxidation reaction	Lai, CW; Juan, JC; <b>Lee, KM</b>	1478-422X	Corrosion Engineering Science and Technology	2017	52	6	405	410	0.705	Q3
14	Reduced Graphene Oxide-Titania Nanocomposite Film for Improving Dye-Sensitized Solar Cell (DSSCs) Performance	Siddick, SZ; <b>Lai, CW</b> ; <b>Juan, JC</b> ; Hamid, SB	1573-4137	Current Nanoscience	2017	13	5	494	500	0.934	Q3
15	Photocatalytic Reduction of Aqueous Mercury (II) Using Hybrid WO <sub>3</sub> -TiO <sub>2</sub> Nanotubes Film	Lee, WH; Teh, SJ; Chou, PM; <b>Lai, CW</b>	1573-4137	Current Nanoscience	2017	13	6	616	624	0.934	Q3

16	Suppression of PGE(2) production via disruption of MAPK phosphorylation by unsymmetrical dicarbonyl curcumin derivatives	Aluwi, MFFM; <b>Rullah, K</b> ; Haque, MA; Yamin, BM; Ahmad, W; Amjad, MW; Leong, SW; Fahmizar, NA; Jalil, J; Abas, F; Ismail, NH; Jantan, I; Lam, KW	1054-2523	Medicinal Chemistry Research	2017	26	12	3323	3335	1.436	Q3
17	Hybridizing carbon nanomaterial with powder activated carbon for an efficient removal of Bisphenol A from water: the optimum growth and adsorption conditions	Alayan, HM; <b>Alsaadi, MA</b> ; Abo-Hamad, A; AlOmar, MK; Aljumaily, MM; Das, R; Hashim, MA	1944-3994	Desalination and Water treatment	2017	95		128	143	1.272	Q3
18	The modelling of arsenic removal from water by deep eutectic solvents functionalized CNTs: Artificial neural network (ANN) approach	Fiyadh, SS; <b>AlSaadi, MA</b> ; AlOmar, MK; Fayaed, SS; Bee, S; El-Shafie, A	1944-3994	Desalination and Water treatment	2017	94		189	197	1.272	Q3
19	The modelling of lead removal from water by deep eutectic solvents functionalized CNTs: artificial neural network (ANN) approach	Fiyadh, SS; <b>AlSaadi, MA</b> ; AlOmar, MK; Fayaed, SS; Hama, AR; Bee, S; El-Shafie, A	0273-1223	Water Science and Technology	2017	76	9	2413	2426	1.064	Q3
1	TiO2 nanotubes catalyzed the synthesis of azo-linked xanthenes under ultrasonic conditions.	<b>Khaligh, N. G.</b> , Abd Hamid, S. B., & Mihankhah, T.	1553-3174	Synthesis and Reactivity in Inorganic Metal-Organic and Nano-Metal Chemistry	2017	47	7	1057	1063	0.493	Q4
2	Facile one pot synthesis of highly stable L-ascorbic acid coated magnetite nanoparticles dispersion	Yau, XH, Yew, KY, Khe, CS, Rajalingam, S, <b>Lai, CW</b> , Liu, WW	1842-3582	Digest Journal of Nanomaterials and Biostructures	2017	12	2	401	413	0.756	Q4
3	Synthesis, characterisation and tribological evaluation of surface-capped molybdenum sulphide nanoparticles as efficient antiwear bio-based lubricant additives	Roslan, SH; <b>Abd Hamid, SB</b> ; Zulkifli, NWM	0036-8792	Industrial Lubrication and Tribology	2017	69	3	378	386	0.326	Q4
4	Selective Synthesis of PEG-Monoester Using Cesium Heteropoly Acid as Heterogeneous Catalyst	<b>Abdullah, FZ</b> ; Maamor, A; Daud, NA; Abd Hamid, SB	0100-4042	Quimica Nova	2017	40	5	506	512	0.617	Q4



No	Article Title	Authors	ISSN	Journal Name	Year	Vol.	Issue	Start Page	End Page	Impact Factor	Quartile
1	Electrochemical study on inhibitory effect of Aspirin on mild steel in 1 M hydrochloric acid	Prasanna B.M., Praveen B.M., Hebbar N., Venkatesha T.V., Tandon H.C., Abd Hamid S.B.	1815-3852	Journal of the Association of Arab Universities for Basic and Applied Sciences	2017	22		62	69		
2	Effect of aluminum phosphate on mechanical and flame retardant properties of composites fibreglass	Saat A.M., Malik A.A., Azmi A., Latif M.F.A., Ramlee N.E., Johan M.R.	1819-6608	ARN Journal of Engineering and Applied Sciences	2017	12	4	1315	1318		
3	Facile biosynthesis of ZnO and iron doped ZnO nano-catalyst: Physicochemical traits and multifunctional applications	Muthukumar H., Pichiah S., Leong K.H., Devi S.A., Manickam M.	1557-7910	Journal of Bionanoscience	2017	11	2	114	122		
4	In silico-based vaccine design against Ebola virus glycoprotein	Dash R., Das R., Junaid M., Akash M.F.C., Islam A., Hosen S.M.Z.	1178-6949	Advances and Applications in Bioinformatics and Chemistry	2017	10	1	11	28		
5	Biosynthesis of silver nanoparticles using unripened Carica papaya fruit extract with different PH conditions	Ng H.C., Khe C.S., Aziz A., Merican Z.M.A., Sokkalingam R., Chew T.L., Lai C.W.	1753-2515	International Journal of Nanoparticles	2017	9	2	55	70		
6	Effect of extraction parameter on antioxidant properties of Nephrolepis biserrata (Schott) frond (NBF) by TCMAE method	Kormin F., Khan M., Ali M.E., Yunus R.M.	1936-6612	Advanced Science Letters	2017	23	5	4363	4367		
7	Lube oil wear reduction via organic tribofilms	Ismail N.A., Bagheri S.	2075-4442	Lubricants	2017	5	3				
8	Techno-economics of seaweed farming along the coasts of Kelantan, east coast peninsular Malaysia	Siew-Moi P., Hui-Yin Y., Hussin H., Phaik-Eem L., Hack-Churl Y., Joon-Ching J.	1394-3065	Malaysian Journal of Science	2017	36	2	85	102		