

No	Article Title	Authors	ISSN	Journal Name	Year	Vol.	Issue	Start Page	End Page	Impact Factor	Quartile
1	Cellulase biocatalysis: key influencing factors and mode of action.	Abd Hamid, S. B., Islam, M. M., & Das, R.	0969-0239	Cellulose	2015	22	4	2157	2182	3.033	Q1
2	Catalytic Hydrothermal Upgrading of alpha-Cellulose using Iron Salts as a Lewis Acid.	Abd Hamid, S. B., Teh, S. J., & Lim, Y. S.	1930-2126	BioResources	2015	10	3	5974	5986	1.549	Q1
3	Potential applications of deep eutectic solvents in nanotechnology.	Abo-Hamad, A., Hayyan, M., AlSaadi, M. A., & Hashim, M. A.	1385-8947	Chemical Engineering Journal	2015	273		551	567	4.058	Q1
4	Multiplex PCR assay for the detection of five meat species forbidden in Islamic foods.	Ali, M. E., Razzak, M. A., Abd Hamid, S. B., Rahman, M. M., Al Amin, M., Abd Rashid, N. R., & Asing.	0308-8146	Food Chemistry	2015	177		214	224	3.259	Q1
5	Stable Plasmonic-Improved dye Sensitized Solar Cells by Silver NanopAJs Between Titanium Dioxide Layers.	Amiri, O., Salavati-Niasari, M., Farangi, M., Mazaheri, M., & Bagheri, S.	0013-4686	Electrochimica Acta	2015	152		101	107	4.086	Q1
6	Synthesis of clamshell derived Ca(OH)(2) nano-pAJs via simple surfactant-hydration treatment.	Asikin-Mijan, N., Taufiq-Yap, Y. H., & Lee, H. V.	1385-8947	Chemical Engineering Journal	2015	262		1043	1051	4.058	Q1
7	Progress on mesoporous titanium dioxide: Synthesis, modification and applications.	Bagheri, S., Hir, Z. A. M., Yousefi, A. T., & Hamid, S. B. A.	1387-1811	Microporous and Mesoporous Materials	2015	218		206	222	3.209	Q1
8	Catalytic conversion of biodiesel derived raw glycerol to value added products.	Bagheri, S., Julkapli, N. M., & Yehye, W. A.	1364-0321	Renewable & Sustainable Energy Reviews	2015	41		113	127	5.51	Q1
9	Graphene oxide electrocatalyst on MnO2 air cathode as an efficient electron pump for enhanced oxygen reduction in alkaline solution.	Basirun, W. J., Sookhakian, M., Baradaran, S., Endut, Z., Mahmoudian, M. R., Ebadi, M., Yousefi, R., & Sohail, H. G.	2045-2322	Scientific Reports	2015	5		7		5.078	Q1
10	Biosequestration of atmospheric CO2 and flue gas-containing CO2 by microalgae.	Cheah, W. Y., Show, P. L., Chang, J. S., Ling, T. C., & Juan, J. C.	0960-8524	Bioresource Technology	2015	184		190	201	5.039	Q1
11	Alginate-derived solid acid catalyst for esterification of low-cost palm fatty acid distillate.	Cheryl-Low, Y. L., Theam, K. L., & Lee, H. V.	0196-8904	Energy Conversion and Management	2015	106		932	940	3.590	Q1

12	Green preparation of reduced graphene oxide using a natural reducing agent.	Chong, S. W., Lai, C. W., & Hamid, S. B. A.	0272-8842	Ceramics International	2015	41	8	9505	9513	2.086	Q1
13	Evaluating Design Parameters for Breakthrough Curve Analysis and Kinetics of Fixed Bed Columns for Cu(II) Cations Using Lignocellulosic Wastes.	Chowdhury, Z. Z., Abd Hamid, S. B., & Zain, S. M.	1930-2126	BioResources	2015	10	1	732	749	1.549	Q1
14	Catalytic pretreatment of biochar residues derived from lignocellulosic feedstock for equilibrium studies of manganese, Mn(II) cations from aqueous solution.	Chowdhury, Z. Z., Hasan, M. R., Abd Hamid, S. B., Samsudin, E. M., Zain, S. M., & Khalid, K.	2046-2069	RSC Advances	2015	5	9	6345	6356	3.708	Q1
15	A sensitive dopamine biosensor based on ultra-thin polypyrrole nanosheets decorated with Pt nanoparticles.	Ghadimi, H., Mahmoudian, M. R., & Basirun, W. J.	2046-2069	RSC Advances	2015	5	49	39366	39374	3.708	Q1
16	Nanocomposites of nitrogen-doped graphene decorated with a palladium silver bimetallic alloy for use as a biosensor for methotrexate detection.	Ghadimi, H., Nasiri-Tabrizi, B., Nia, P. M., Basirun, W. J., Tehrani, R. M. A., & Lorestani, F.	2046-2069	RSC Advances	2015	5	120	99555	99565	3.708	Q1
17	Spongy nitrogen-doped activated carbonaceous hybrid derived from biomass material/graphene oxide for supercapacitor electrodes.	Gharehkhani, S., Shirazi, S. F. S., Jahromi, S. P., Sookhakian, M., Baradaran, S., Yarmand, H., Oshkour, A. A., Kazi, S. N., & Basirun, W. J.	2046-2069	RSC Advances	2015	5	51	40505	40513	3.708	Q1
18	A sol-gel derived, copper-doped, titanium dioxide-reduced graphene oxide nanocomposite electrode for the photoelectrocatalytic reduction of CO ₂ to methanol and formic acid.	Hasan, M. R., Hamid, S. B. A., Basirun, W. J., Suhaimy, S. H. M., & Mat, A. N. C.	2046-2069	RSC Advances	2015	5	95	77803	77813	3.708	Q1
19	Improved biohydrogen production and treatment of pulp and paper mill effluent through ultrasonication pretreatment of wastewater.	Hay, J. X. W., Wu, T. Y., Juan, J. C., & Jahim, J. M.	0196-8904	Energy Conversion and Management	2015	106		576	583	3.590	Q1
20	Triethylene glycol based deep eutectic solvents and their physical properties.	Hayyan, M., Aissaoui, T., Hashim, M. A., AlSaadi, M. A., & Hayyan, A.	1876-1070	Journal of the Taiwan Institute of Chemical Engineers	2015	50		24	30	2.637	Q1
21	Enhanced sonocatalytic treatment of ibuprofen by mechanical mixing and reusable magnetic core titanium dioxide.	Kang, K., Jang, M., Cui, M., Qiu, P., Na, S., Son, Y., & Khim, J.	1385-8947	Chemical Engineering Journal	2015	264		522	530	4.058	Q1

22	Correlation of antioxidant activities with theoretical studies for new hydrazone compounds bearing a 3,4,5-trimethoxy benzyl moiety.	Kareem, H. S., Ariffin, A., Nordin, N., Heidelberg, T., Abdul-Aziz, A., Kong, K. W., & Yehye, W. A.	0223-5234	European Journal of Medicinal Chemistry	2015	103		497	505	3.432	Q1
23	Synthesis Mechanism and Thermal Optimization of an Economical Mesoporous Material Using Silica: Implications for the Effective Removal or Delivery of Ibuprofen.	Kittappa, S., Cui, M. C., Ramalingam, M., Ibrahim, S., Khim, J., Yoon, Y., Snyder, S. A., & Jang, M.	1932-6203	PLoS One	2015	10	7	19		3.534	Q1
24	Magnetised nanocomposite mesoporous silica and its application for effective removal of methylene blue from aqueous solution.	Kittappa, S., Pichiah, S., Kim, J. R., Yoon, Y., Snyder, S. A., & Jang, M.	1383-5866	Separation and Purification Technology	2015	153	67	75		3.065	Q1
25	Easy preparation of ultrathin reduced graphene oxide sheets at a high stirring speed.	Low, F. W., Lai, C. W., & Abd Hamid, S. B.	0272-8842	Ceramics International	2015	41	4	5798	5806	2.086	Q1
26	Stable monodisperse nanomagnetic colloidal suspensions: An overview.	Ramimoghadam, D., Bagheri, S., & Abd Hamid, S. B.	0927-7765	Colloids and Surfaces B-Biointerfaces	2015	133		388	411	4.287	Q1
27	Enhancement of the intrinsic photocatalytic activity of TiO ₂ in the degradation of 1,3,5-triazine herbicides by doping with N,F.	Samsudin, E. M., Abd Hamid, S. B., Juan, J. C., Basirun, W. J., & Centi, G.	1385-8947	Chemical Engineering Journal	2015	280		330	343	4.058	Q1
28	Controlled nitrogen insertion in titanium dioxide for optimal photocatalytic degradation of atrazine.	Samsudin, E. M., Abd Hamid, S. B., Juan, J. C., Basirun, W. J., Kandjani, A. E., & Bhargava, S. K.	2046-2069	RSC Advances	2015	5	55	44041	44052	3.708	Q1
29	Performance of cobalt titanate towards H ₂ O ₂ based catalytic oxidation of lignin model compound.	Shilpy, M., Ehsan, M. A., Ali, T. H., Abd Hamid, S. B., & Ali, M. E.	2046-2069	RSC Advances	2015	5	97	79644	79653	3.708	Q1
30	Significantly improved photocurrent response of ZnS-reduced graphene oxide composites.	Sookhastian, M., Amin, Y. M., Zakaria, R., Basirun, W. J., Mahmoudian, M. R., Nasiri-Tabrizi, B., Baradaran, S., & Azarang, M.	0925-8388	Journal of Alloys and Compounds	2015	632		201	207	2.726	Q1

31	Nitrogen-doped graphene-silver nanodendrites for the non-enzymatic detection of hydrogen peroxide.	Tajabadi, M. T., Basirun, W. J., Lorestani, F., Zakaria, R., Baradaran, S., Amin, Y. M., Mahmoudian, M. R., Rezayi, M., & Sookhakian, M.	0013-4686	Electrochimica Acta	2015	151		126	133	4.086	Q1
32	Preparation of high crystallinity cellulose nanocrystals (CNCs) by ionic liquid solvolysis.	Tan, X. Y., Hamid, S. B. A., & Lai, C. W.	0961-9534	Biomass & Bioenergy	2015	81		584	591	3.411	Q1
33	Facile sonochemical synthesis of N,C1-codoped TiO ₂ : Synthesis effects, mechanism and photocatalytic performance.	Teh, C. Y., Wu, T. Y., & Juan, J. C.	0920-5861	Catalysis Today	2015	256		365	374	3.309	Q1
34	Enhanced Recyclable Magnetized Palm Shell Waste-Based Powdered Activated Carbon for the Removal of Ibuprofen: Insights for Kinetics and Mechanisms.	Wong, K. T., Yoon, Y., & Jang, M.	1932-6203	PLoS One	2015	10	10	18		3.534	Q1
35	Preparation of Nanocellulose via Transition Metal Salt-Catalyzed Hydrolysis Pathway.	Yahya, M., Lee, H. V., & Abd Hamid, S. B.	1930-2126	BioResources	2015	10	4	7627	7639	1.549	Q1
36	Understanding the chemistry behind the antioxidant activities of butylated hydroxytoluene (BHT): A review.	Yehye, W. A., Rahman, N. A., Ariffin, A., Hamid, S. B. A., Alhadi, A. A., Kadir, F. A., & Yaeghoobi, M.	0223-5234	European Journal of Medicinal Chemistry	2015	101		295	312	3.432	Q1
37	Vectorial Crystal Growth of Oriented Vertically Aligned Carbon Nanotubes Using Statistical Analysis.	Yousefi, A. T., Tanaka, H., Bagheri, S., Elfighi, F., Mahmood, M. R., & Ikeda, S.	1528-7483	Crystal Growth & Design	2015	15	7	3457	3463	4.558	Q1
38	Sol-gel synthesis of alpha-Fe ₂ O ₃ nanoparticles and its photocatalytic application.	Alagiri, M., & Hamid, S. B. A.	0928-0707	Journal of Sol-Gel Science and Technology	2015	74	3	783	789	1.547	Q1
39	Lab-on-a-chip-based PCR-RFLP assay for the confirmed detection of short-length feline DNA in food.	Ali, M. E., Al Amin, M., Abd Hamid, S. B., Hossain, M. A. M., & Mustafa, S.	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2015	32	9	1373	1383	2.341	Q1

40	A suitable method to detect potential fraud of bringing Malayan box turtle (<i>Cuora amboinensis</i>) meat into the food chain.	Ali, M. E., Asing, Hamid, S. B. A., Razzak, M. A., Rashid, N. R. A., Al Amin, M., & Mustafa, S.	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2015	32	8	1223	1233	2.341	Q1
41	Understanding the role of lanthanide promoters on the structure-activity of nanosized Ni/gamma-Al ₂ O ₃ catalysts in carbon dioxide reforming of methane.	Amin, M. H., Putla, S., Abd Hamid, S. B., & Bhargava, S. K.	0926-860X	Applied Catalysis A-General	2015	492		160	168	3.674	Q1
42	TiO ₂ hybrid photocatalytic systems: impact of adsorption and photocatalytic performance.	Amir, M. N. I., Julkapli, N. M., Bagheri, S., & Yousefi, A. T.	0193-4929	Reviews in Inorganic Chemistry	2015	35	3	151	178	2.923	Q1
43	Synthesis and catalytic activity of hydration-dehydration treated clamshell derived CaO for biodiesel production.	Asikin-Mijan, N., Lee, H. V., & Taufiq-Yap, Y. H.	0263-8762	Chemical Engineering Research & Design	2015	102		368	377	2.281	Q1
44	Covalent Functionalization Schemes for Tailoring Solubility of Multi-Walled Carbon Nanotubes in Water and Acetone Solvents.	Das, R., Abd Hamid, S. B., Ali, M. E., Annuar, M. S. M., Samsudin, E. M. B., & Bagheri, S.	1947-2935	Science of Advanced Materials	2015	7	12	2726	2737	2.908	Q1
45	Charge transfer behavior of graphene-titania photoanode in CO ₂ photoelectrocatalysis process.	Hasan, M. R., Abd Hamid, S. B., & Basirun, W. J.	0169-4332	Applied Surface Science	2015	339		22	27	2.538	Q1
46	Functionalization of graphene using deep eutectic solvents.	Hayyan, M., Abo-Hamad, A., AlSaadi, M. A., & Hashim, M. A.	1556-276X	Nanoscale Research Letters	2015	10		26		2.481	Q1
47	Palladium nanopAJs anchored to anatase TiO ₂ for enhanced surface plasmon resonance-stimulated, visible-light-driven photocatalytic activity.	Leong, K. H., Chu, H. Y., Ibrahim, S., & Saravanan, P.	2190-4286	Beilstein Journal of Nanotechnology	2015	6		428	437	2.332	Q1
48	Surface reconstruction of titania with g-C ₃ N ₄ and Ag for promoting efficient electrons migration and enhanced visible light photocatalysis.	Leong, K. H., Liu, S. L., Sim, L. C., Saravanan, P., Jang, M., & Ibrahim, S.	0169-4332	Applied Surface Science	2015	358		370	376	2.538	Q1
49	Litterfall production and chemistry of <i>Koompassia malaccensis</i> and <i>Shorea uliginosa</i> in a tropical peat swamp forest: plant nutrient regulation and climate relationships.	Ong, C. S. P., Juan, J. C., & Yule, C. M.	0931-1890	Trees-Structure and Function	2015	29	2	527	537	1.863	Q1

50	A suitable method for the detection of a potential fraud of bringing macaque monkey meat into the food chain.	Rashid, N. R. A., Ali, M. E., Abd Hamid, S. B., Rahman, M. M., Razzak, M. A., Asing, & Al Amin, M.	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2015	32	7	1013	1022	2.341	Q1
51	A lab-on-a-chip-based multiplex platform to detect potential fraud of introducing pig, dog, cat, rat and monkey meat into the food chain.	Razzak, M. A., Abd Hamid, S. B., & Ali, M. E.	1944-0049	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	2015	32	11	1902	1911	2.341	Q1
52	Influence of triblock copolymer (pluronic F127) on enhancing the physico-chemical properties and photocatalytic response of mesoporous TiO ₂ .	Samsudin, E. M., Abd Hamid, S. B., Juan, J. C., & Basirun, W. J.	0169-4332	Applied Surface Science	2015	355		959	968	2.538	Q1
53	Surface modification of mixed-phase hydrogenated TiO ₂ and corresponding photocatalytic response.	Samsudin, E. M., Hamid, S. B. A., Juan, J. C., Basirun, W. J., & Kandjani, A. E.	0169-4332	Applied Surface Science	2015	359		883	896	2.538	Q1
54	Rapid thermal reduced graphene oxide/Pt-TiO ₂ nanotube arrays for enhanced visible-light-driven photocatalytic reduction of CO ₂ .	Sim, L. C., Leong, K. H., Saravanan, P., & Ibrahim, S.	0169-4332	Applied Surface Science	2015	358		122	129	2.538	Q1
1	Preparation and application of binary acid-base CaO-La ₂ O ₃ catalyst for biodiesel production.	Lee, H. V., Juan, J. C., & Taufiq-Yap, Y. H.	0960-1481	Renewable Energy	2015	74		124	132	3.361	Q2
2	Simple Response Surface Methodology: Investigation on Advance Photocatalytic Oxidation of 4-Chlorophenoxyacetic Acid Using UV-Active ZnO Photocatalyst.	Lee, K. M., & Abd Hamid, S. B.	1996-1944	Materials	2015	8	1	339	354	1.879	Q2
3	In Situ Anodization of WO ₃ -Decorated TiO ₂ Nanotube Arrays for Efficient Mercury Removal.	Lee, W. H., Lai, C. W., & Abd Hamid, S. B.	1996-1944	Materials	2015	8	9	5701	5714	1.879	Q2
4	One-Step Formation of WO ₃ -Loaded TiO ₂ Nanotubes Composite Film for High Photocatalytic Performance.	Lee, W. H., Lai, C. W., & Abd Hamid, S. B.	1996-1944	Materials	2015	8	5	2139	2153	1.879	Q2
5	Mercury Migration and Speciation Study during Monoethylene Glycol Regeneration Processes.	Sabri, Y. M., Ippolito, S. J., Tardio, J., Abd Hamid, S. B., & Bhargava, S. K.	0888-5885	Industrial & Engineering Chemistry Research	2015	54	19	5349	5355	2.235	Q2

6	Advanced Chemical Reduction of Reduced Graphene Oxide and Its Photocatalytic Activity in Degrading Reactive Black 5.	Wong, C. P. P., Lai, C. W., Lee, K. M., & Abd Hamid, S. B.	1996-1944	Materials	2015	8	10	7118	7128	1.879	Q2
7	Easy Formation of Nanodisk-Dendritic ZnO Film via Controlled Electrodeposition Process.	Abd Samad, N. A., Lai, C. W., & Abd Hamid, S. B.	1687-4110	Journal of Nanomaterials	2015			Article ID 563728		1.611	Q2
8	The synthesis and characterization of a hexanuclear copper-yttrium complex for deposition of semiconducting CuYO ₂ -0.5Cu(2)O composite thin films.	Ahmed, S., Mansoor, M. A., Basirun, W. J., Sookhakian, M., Huang, N. M., Mun, L. K., Sohnel, T., Arifin, Z., & Mazhar, M.	1144-0546	New Journal of Chemistry	2015	39	2	1031	1037	3.159	Q2
9	Efficient lead sorption from wastewater by carbon nanofibers.	Ahmed, Y. M., Al-Mamun, A., Al Khatib, M. F. R., Jameel, A. T., & AlSaadi, M.	1610-3653	Environmental Chemistry Letters	2015	13	3	341	346	1.906	Q2
10	Formation of 1,3,4-oxadiazolines and 1,3,4-oxadiazepines through acetylation of salicylic hydrazones.	Alhadi, A. A., Othman, R., Yehye, W. A., & Abd Rahman, N.	0040-4039	Tetrahedron Letters	2015	56	4	573	576	2.391	Q2
11	Novel cations of xenon trifluoroborazine complexes: Structures, reactivities, and natural bonding orbital analysis.	Boshra, A., Oliaey, A. R., Rezaie, F., Bazvand, Y., & Hamid, S. B. A.	0022-1139	Journal of Fluorine Chemistry	2015	178		99	106	1.952	Q2
12	Thermally decomposed mesoporous Nickel Iron hydroxalate: An active solid-base catalyst for solvent-free Knoevenagel condensation.	Dumbre, D. K., Mozammel, T., Selvakannan, P. R., Hamid, S. B. A., Choudhary, V. R., & Bhargava, S. K.	0021-9797	Journal of Colloid and Interface Science	2015	441		52	58	3.552	Q2
13	Synthesis and characterization of a heterobimetallic Cu-Zr complex for deposition of 1:1 CuZrO ₃ -CuO composite thin films.	Ehsan, M. A., Khaledi, H., Arifin, Z., & Mazhar, M.	0277-5387	Polyhedron	2015	98		190	195	2.047	Q2
14	Dye sensitized solar cell applications of CdTiO ₃ -TiO ₂ composite thin films deposited from single molecular complex.	Ehsan, M. A., Khaledi, H., Pandikumar, A., Huang, N. M., Arifin, Z., & Mazhar, M.	0022-4596	Journal of Solid State Chemistry	2015	230		155	162	2.200	Q2
15	Nitrite ion sensing properties of ZnTiO ₃ -TiO ₂ composite thin films deposited from a zinc-titanium molecular complex.	Ehsan, M. A., Khaledi, H., Pandikumar, A., Rameshkumar, P., Huang, N. M., Arifin, Z., & Mazhar, M.	1144-0546	New Journal of Chemistry	2015	39	9	7442	7452	3.159	Q2

16	Photocatalytic degradation of methylene blue on TiO ₂ @SiO ₂ core/shell nanoparticles: synthesis and characterization.	Gholami, T., Bazarganipour, M., Salavati-Niasari, M., & Bagheri, S.	0957-4522	Journal of Materials Science-Materials in Electronics	2015	26	8	6170	6177	1.966	Q2
17	Ga doped RGO-TiO ₂ composite on an ITO surface electrode for investigation of photoelectrocatalytic activity under visible light irradiation.	Hasan, M. R., Abd Hamid, S. B., Basirun, W. J., Chowdhury, Z. Z., Kandjani, A. E., & Bhargava, S. K.	1144-0546	New Journal of Chemistry	2015	39	1	369	376	3.159	Q2
18	Large-scale and facile fabrication of PbSe nanostructures by selenization of a Pb sheet.	Hoomi, S., Yousefi, R., Jamali-Sheini, F., Saaedi, A., Cheraghizade, M., Basirun, W. J., & Huang, N. M.	1793-6047	Functional Materials Letters	2015	8	5	5		1.622	Q2
19	Graphene supported heterogeneous catalysts: An overview.	Julkapli, N. M., & Bagheri, S.	0360-3199	International Journal of Hydrogen Energy	2015	40	2	948	979	2.930	Q2
20	4-(Succinimido)-1-butane sulfonic acid as a Bronsted acid catalyst for the synthesis of pyrano 4,3-b pyran derivatives using thermal and ultrasonic irradiation.	Khaligh, N. G., & Abd Hamid, S. B.	0253-9837	Chinese Journal of Catalysis	2015	36	5	728	733	1.552	Q2
21	Surface Morphology and Growth of Anodic Titania Nanotubes Films: Photoelectrochemical Water Splitting Studies.	Lai, C. W.	1687-4110	Journal of Nanomaterials	2015			Article ID 820764		1.611	Q2
22	WO ₃ Nanoplates Film: Formation and Photocatalytic Oxidation Studies.	Lai, C. W.	1687-4110	Journal of Nanomaterials	2015			Article ID 563587		1.611	Q2
23	Rapid Formation of 1D Titanate Nanotubes Using Alkaline Hydrothermal Treatment and Its Photocatalytic Performance.	Lai, C. W., Abd Hamid, S. B., Tan, T. L., & Lee, W. H.	1687-4110	Journal of Nanomaterials	2015			Article ID 145360		1.611	Q2
24	An Overview: Recent Development of Titanium Dioxide Loaded Graphene Nanocomposite Film for Solar Application.	Lai, C. W., Low, F. W., Chong, S. W., Wong, C. P. P., Siddick, S., Juan, J. C., & Hamid, S. B. A.	1385-2728	Current Organic Chemistry	2015	19	19	1882	1895	2.537	Q2
25	Optimization study of binary metal oxides catalyzed transesterification system for biodiesel production.	Lee, H. V., & Taufiq-Yap, Y. H.	0957-5820	Process Safety and Environmental Protection	2015	94		430	440	1.829	Q2

26	Synthesis and characterization of zinc oxide/maghemite nanocomposites: Influence of heat treatment on photocatalytic degradation of 2,4-dichlorophenoxyacetic acid.	Lee, K. M., & Abdullah, A. H.	1369-8001	Materials Science in Semiconductor Processing	2015	30		298	306	1.761	Q2
27	Mechanism and Kinetics Study for Photocatalytic Oxidation Degradation: A Case Study for Phenoxyacetic Acid Organic Pollutant.	Lee, K. M., Abd Hamid, S. B., & Lai, C. W.	1687-4110	Journal of Nanomaterials	2015			Article ID 940857		1.611	Q2
28	Multivariate analysis of photocatalytic-mineralization of Eriochrome Black T dye using ZnO catalyst and UV irradiation.	Lee, K. M., Hamid, S. B. A., & Lai, C. W.	1369-8001	Materials Science in Semiconductor Processing	2015	39		40	48	1.761	Q2
29	Preparation and characterization of HypoGel-supported Pd nanocatalysts for Suzuki reaction under mild conditions.	Liew, K. H., Samad, W. Z., Nordin, N., Loh, P. L., Juan, J. C., Yarmo, M. A., Yahaya, B. H., & Yusop, R. M.	0253-9837	Chinese Journal of Catalysis	2015	36	5	771	777	1.552	Q2
30	Effect of magnetic and thermal properties of iron oxide nanoparticles (IONs) in nitrile butadiene rubber (NBR) latex.	Ong, H. T., Julkapli, N. M., Abd Hamid, S. B., Boondamnoen, O., & Tai, M. F.	0304-8853	Journal of Magnetism and Magnetic Materials	2015	395		173	179	2.002	Q2
31	Lab-on-a-Chip PCR-RFLP Assay for the Detection of Canine DNA in Burger Formulations.	Rahman, M. M., Ali, M. E., Abd Hamid, S. B., Bhassu, S., Mustafa, S., Al Amin, M., & Razzak, M. A.	1936-9751	Food Analytical Methods	2015	8	6	1598	1606	1.802	Q2
32	In-situ precipitation of ultra-stable nano-magnetite slurry.	Ramimoghadam, D., Bagheri, S., & Abd Hamid, S. B.	0304-8853	Journal of Magnetism and Magnetic Materials	2015	379		74	79	2.002	Q2
33	Statistical optimization of effective parameters on saturation magnetization of nanomagnetite particles.	Ramimoghadam, D., Bagheri, S., Yousefi, A. T., & Hamid, S. B. A.	0304-8853	Journal of Magnetism and Magnetic Materials	2015	393		30	35	2.002	Q2
34	Structural and dielectric properties of iron doped barium strontium titanate for storage applications.	Saeed, A., Ruthramurthy, B., Yong, W. H., Hoong, O. B., Ban, T. K., & Kwang, Y. H.	0957-4522	Journal of Materials Science- Materials in Electronics	2015	26	12	9859	9864	1.966	Q2

35	Mesoporous Silica-Supported Sulfonyldiamine Ligand for Microwave-Assisted Transfer Hydrogenation.	Sarkar, S. M., Ali, M. E., Islam, M. S., Rahman, M. L., Rashid, S. S., Karim, M. R., & Yusoff, M. M.	1687-4110	Journal of Nanomaterials	2015				Article ID 674752	1.611	Q2
36	Preparation of Mesoporous Silica-Supported Chiral Amino Alcohols for the Enantioselective Addition of Diethylzinc to Aldehyde and Asymmetric Transfer Hydrogenation to Ketones.	Sarkar, S. M., Ali, M. E., Rahman, M. L., & Yusoff, M. M.	1687-4110	Journal of Nanomaterials	2015				Article ID 381836	1.611	Q2
37	Synthesis, characterization, and photovoltaic application of NiTiO ₃ nanostructures via two-step sol-gel method.	Sobhani-Nasab, A., Hosseinpour-Mashkani, S. M., Salavati-Niasari, M., Taqirri, H., Bagheri, S., & Saberyan, K.	0957-4522	Journal of Materials Science-Materials in Electronics	2015	26	8	5735	5742	1.966	Q2
38	Synthesis of Well-Crystalline Lattice Carbon Nanotubes via Neutralized Cooling Method.	Termehyousefi, A., Bagheri, S., Kadri, N. A., Elfghi, F. M., Rusop, M., & Ikeda, S.	1042-6914	Materials and Manufacturing Processes	2015	30	1	59	62	1.486	Q2
39	Enhanced visible-light photocatalytic activity of strontium-doped zinc oxide nanopAJs.	Yousefi, R., Jamali-Sheini, F., Cheraghizade, M., Khosravi-Gandomani, S., Saaedi, A., Huang, N. M., Basirun, W. J., & Azarang, M.	1369-8001	Materials Science in Semiconductor Processing	2015	32		152	159	1.761	Q2
40	Characterization of nickel-doped biphasic calcium phosphate/graphene nanoplatelet composites for biomedical application.	Baradaran, S., Moghaddam, E., Nasiri-Tabrizi, B., Basirun, W. J., Mehrali, M., Sookhakian, M., Hamdi, M., & Alias, Y.	0928-4931	Materials Science & Engineering C-Materials for Biological Applications	2015	49		656	668	2.736	Q2
41	Effects of synthetic explanatory variable on saturation magnetization of colloidal nanomagnetite slurry.	Bagheri, S., Ramimoghadam, D., Termehyousefi, A., & Abd Hamid, S. B.	0360-3199	International Journal of Hydrogen Energy	2015	40	46	16178	16183	2.93	Q2
42	Formation of Functional Carbonaceous Materials via Iron Oxide-Assisted Hydrothermal Carbonization.	Lim, Y. S., Hamid, S. B. A., Lai, C. W., & Teh, S. J.	1941-4900	Nanoscience and Nanotechnology Letters	2015	7	8	655	660	1.444	Q2
43	ZnCl ₂ /NaCl-Catalysed Hydrothermal Carbonization of Glucose and Oil Palm Shell Fiber.	Teh, S. J., Hamid, S. B. A., Lai, C. W., & Lim, Y. S.	1941-4900	Nanoscience and Nanotechnology Letters	2015	7	7	611	615	1.444	Q2

44	Assessment of Genetic Variation in Different Kenaf (<i>Hibiscus cannabinus</i>) Genotypes using Morpho-agronomic Traits and RAPD Markers.	Faruq, G., Rahman, M. M., Zabed, H., & Latif, A.	1560-8530	International Journal of Agriculture and Biology	2015	17	3	507	514	0.902	Q2
1	Facile Synthesis of High Quality Graphene Oxide from Graphite Flakes Using Improved Hummer's Technique.	Low, F. W., Lai, C. W., & Abd Hamid, S. B.	1533-4880	Journal of Nanoscience and Nanotechnology	2015	15	9	6769	6773	1.339	Q3
2	Nano-Structured Magnesium Oxide Coated Iron Ore: Its Application to the Remediation of Wastewater Containing Lead.	Nagarajah, R., Jang, M., Pichiah, S., Cho, J., & Snyder, S. A.	1533-4880	Journal of Nanoscience and Nanotechnology	2015	15	12	9603	9611	1.339	Q3
3	Possible High Efficiency Platform for Biosensors Based on Optimum Physical Chemistry of Carbon Nanotubes.	Yousefi, A. T., Tanaka, H., Bagheri, S., Kadri, N. A., Ikeda, S., Mahmood, M. R., & Miyake, M.	0948-1907	Chemical Vapor Deposition	2015	21	10-12	263	266	1.371	Q3
4	Synthesis, Characterization and Electrocatalytic Activity of Silver Doped-Titanium Dioxide Nanoparticles.	Bagheri, S., Ramimoghadam, D., Yousefi, A. T., & Abd Hamid, S. B.	1452-3981	International Journal of Electrochemical Science	2015	10	4	3088	3097	1.956	Q3
5	Glassy carbon electrodes modified with gelatin functionalized reduced graphene oxide nanosheet for determination of gallic acid.	Chekin, F., Bagheri, S., & Abd Hamid, S. B.	0250-4707	Bulletin of Materials Science	2015	38	7	1711	1716	0.870	Q3
6	Synthesis and spectroscopic characterization of palladium-doped titanium dioxide catalyst.	Chekin, F., Bagheri, S., & Abd Hamid, S. B.	0250-4707	Bulletin of Materials Science	2015	38	2	461	465	0.870	Q3
7	Synthesis of Heterocyclic Compounds of 5-substituted-1,3,4-oxadiazole-2-thiols for the Prevention of Nickel Corrosion.	Gapil, S., Ebadi, M., Basirun, W. J., Hasan, A., Awang, K., Golsefidi, M. A., Azmi, M. N., & Sulaiman, M. Y.	1452-3981	International Journal of Electrochemical Science	2015	10	2	1543	1554	1.956	Q3
8	Adsorption, thermodynamic, and electrochemical studies of ketosulfide for mild steel in acidic medium.	Hebbar, N., Praveen, B. M., Prasanna, B. M., Venkatesha, V. T., & Abd Hamid, S. B.	0169-4243	Journal of Adhesion Science and Technology	2015	29	24	2692	2708	1.153	Q3
9	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels.	Lee, H. V., Juan, J. C., Taufiq-Yap, Y. H., Kong, P. S., & Rahman, N. A.	1941-7012	Journal of Renewable and Sustainable Energy	2015	7	3	46		0.925	Q3
10	Novel BC ₂ N Nanocages: A DFT Investigation.	Oliaey, A. R., Boshra, A., & Hamid, S. B. A.	1042-7163	Heteroatom Chemistry	2015	26	2	150	160	1.257	Q3

11	Evaluation on the Photocatalytic Degradation Activity of Reactive Blue 4 using Pure Anatase Nano-TiO ₂ .	Samsudin, E. M., Goh, S. N., Wu, T. Y., Ling, T. T., Abd Hamid, S. B., & Juan, J. C.	0126-6039	Sains Malaysiana	2015	44	7	1011	1019	0.480	Q3
12	Controlled Synthesis of CoTiO ₃ Nanostructures Via Two-Step Sol-Gel Method in the Presence of 1,3,5-Benzenetricarboxylic Acid.	Sobhani-Nasab, A., Hosseinpour-Mashkani, S. M., Salavati-Niasari, M., & Bagheri, S.	1040-7278	Journal of Cluster Science	2015	26	4	1305	1318	1.356	Q3
13	Constant Glucose Biosensor Based on Vertically Aligned Carbon Nanotube Composites.	TermehYousefi, A., Bagheri, S., Kadri, N. A., Mahmood, M. R., & Ikeda, S.	1452-3981	International Journal of Electrochemical Science	2015	10	5	4183	4192	1.956	Q3
14	Synthesis of the Hydrazones of 2-((3,5-Di-tert-butyl-4-hydroxybenzyl)thio) acetohydrazide and the Study of their Radical Scavenging Activity by the DPPH Assay and the Computational Method.	Abdulwahab, M. K., Ariffin, A., Yehye, W. A., Abdul-Aziz, A., Kareem, H. S., & Nordin, N.	0253-2964	Bulletin of the Korean Chemical Society	2015	36	11	2716	2724	0.835	Q3
15	Functionalization of Graphene Oxide with 3-Mercaptopropyltrimethoxysilane and Its Electrocatalytic Activity in Aqueous Medium.	Chekin, F., Bagheri, S., & Abd Hamid, S. B.	0009-4536	Journal of the Chinese Chemical Society	2015	62	8	689	694	0.856	Q3
16	Carbon Nanotubes Characterization by X-ray Powder Diffraction - A Review.	Das, R., Abd Hamid, S. B., Ali, M. E., Ramakrishna, S., & Wu, Y. Z.	1573-4137	Current Nanoscience	2015	11	1	23	35	1.422	Q3
17	Characterization of REBa ₂ Cu ₃ O _{7-x} (RE = Gd, Ho) nanostructures, fabricated by a simple technique.	Kargar, M., Alikhanzadeh-Arani, S., Salavati-Niasari, M., & Bagheri, S.	0921-4534	Physica C - Superconductivity and Its Applications	2015	511		20	25	1.110	Q3
18	Electrocatalytic Study of Paracetamol at a Single-Walled Carbon Nanotube/Nickel Nanocomposite Modified Glassy Carbon Electrode.	Ngai, K. S., Tan, W. T., Zainal, Z., Zawawi, R. M., & Juan, J. C.	1687-8434	Advances in Materials Science and Engineering	2015			Article ID 742548		0.897	Q3
1	Nucleotide variation of the mitochondrial cytochrome B gene in the Malay population.	Farghadani, R., & Babadi, A. A.	1221-8618	Romanian Journal of Legal Medicine	2015	23	1	57	60	0.152	Q4
2	Tungsten Oxide Nanoplate Film as a Highly Active Solar-Driven Photocatalyst.	Lai, C. W.	1573-4137	Current Nanoscience	2015	11	4	509	514	1.422	Q4

3	Formation of CaO-TiO ₂ composite film via electrodeposition for CO ₂ adsorption.	Lai, C. W., & Sreekantan, S.	1842-6573	Optoelectronics and Advanced Materials-Rapid Communications	2015	9	5-6	772	776	0.449	Q4
4	Enhanced photocatalytic behaviour of KOH treated TiO ₂ nanotubes via electrochemical anodization process.	Suhaimy, S., Abd Hamid, S. B., Lai, C. W., Hasan, M. R., & Johan, M. R.	1842-6573	Optoelectronics and Advanced Materials-Rapid Communications	2015	9	11-12	1462	1468	0.449	Q4
5	Modification of Multi-walled Carbon Nanotubes with Nanoparticles for High Photocatalytic Activity.	Tan, T. L., Abd Hamid, S. B., & Lai, C. W.	1573-4137	Current Nanoscience	2015	11	4	504	508	1.422	Q4
6	Integration of biosensors based on microfluidic: a review.	TermehYousefi, A., Bagheri, S., & Adib, N.	0260-2288	Sensor Review	2015	35	2	190	199	0.616	Q4
7	Controlling Vaporization Time as Effective Parameter on Purified Vertically Aligned Carbon Nanotubes Based on CVD Method.	Yousefi, A. T., Bagheri, S., Kadri, N. A., Mahmood, M. R., & Ikeda, S.	1536-383X	Fullerenes Nanotubes and Carbon Nanostructures	2015	23	12	1103	1107	0.644	Q4
8	Highly oriented vertically aligned carbon nanotubes via chemical vapour deposition for key potential application in CNT ropes.	Yousefi, A. T., Bagheri, S., Shinji, K., Mahmood, M. R., & Ikeda, S.	1432-8917	Materials Research Innovations	2015	19	3	212	216	0.473	Q4
1	Reduced graphene oxide and Ag wrapped TiO ₂ photocatalyst for enhanced visible light photocatalysis.	Leong, K. H., Sim, L. C., Bahnemann, D., Jang, M., Ibrahim, S., & Saravanan, P.	2166-532X	APL Materials	2015	3	10	8		N/A	N/A
2	Functionalized Activated Carbon Derived from Biomass for Photocatalysis Applications Perspective.	Bagheri, S., Julkapli, N. M., & Abd Hamid, S. B.	1110-662X	International Journal of Photoenergy	2015			Article ID 218743		N/A	N/A
3	Determining the Optimum Exposure and Recovery Periods for Efficient Operation of a QCM Based Elemental Mercury Vapor Sensor.	Kabir, K. M. M., Ippolito, S. J., Matthews, G. I., Abd Hamid, S. B., Sabri, Y. M., & Bhargava, S. K.	1687-725X	Journal of Sensors	2015			Article ID 727432		N/A	N/A