

List of Research Publications of Teachers of Handique Girls' College from the July, 2014 to June, 2019:

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Volume, Issue and Page numbers	Link
1.	Carbohydrate-appended photocytotoxic (imidazophenanthroline)oxovanadium(IV) complexes for cellular targeting and imaging.	Akhtar Hussain	Chemistry	<i>Dalton Trans</i>	2014	ISSN- 1477-9226	43(3):1321-1331	https://europepmc.org/article/med/24193217
2.	Mitochondria targeting Photocytotoxic Oxidovanadium(I V) Complexes of Curcumin and (Acridinyl)dipyridophenazine in Visible Light	Akhtar Hussain	Chemistry	<i>(Zeitschrift für anorganische und allgemeine Chemie (ZAAC))</i>	2014	ISSN- 0044-2313	640(6):1195-1204	https://onlinelibrary.wiley.com/doi/abs/10.1002/zaac.201300569
3.	Iron(III) Catecholates for Cellular Imaging and Photocytotoxicity in Red	Akhtar Hussain	Chemistry	<i>Chemistry-An Asian Journal</i>	2014	ISSN 1861-471X	9(9):2494-504	https://pubmed.ncbi.nlm.nih.gov/25044734/
4.	Remarkable enhancement in photocytotoxicity and hydrolytic stability of curcumin on binding to an oxovanadium (IV) moiety	Akhtar Hussain	Chemistry	<i>Dalton Trans</i>	2014	ISSN 1477-9226	9	https://pubs.rsc.org/en/content/articlelanding/2015/dt/c4dt02165g#!divAbstract
5.	Iron(III) benzhydroxamates of dipicolylamine for photocytotoxicity in red light and cellular imaging	Akhtar Hussain	Chemistry	<i>Polyhedron</i>	2014	ISSN- 0277-5387	73:1224-134	https://www.sciencedirect.com/science/article/abs/pii/S027753871400093X
6.	A case study of male-male territory combat in <i>Leptobrachium smithi</i> Matsui, Nabhitabhata & Panha, 1999 (Anura: Megophryidae)	Dipankar Dutta	Zoology	<i>Pranikee-Journal of the Zoological Society of Orissa XXIV</i>	2014	0970-4450	26:22-29	https://www.researchgate.net/publication/282074386_A_CASE_STUDY_OF_MALE-MALE_TERRITORY_COMBAT_IN_LEPTOBRACHIUM_SMITHI_MATSUI_NABHITABHATA_AND_PANHA_1999_ANURA_MEGOPHRYIDAE

7.	A catalyst-free protocol for direct oxidative esterification of alcohols and aldehydes	Kamal K Rajbongshi	Chemistry	<i>Tetrahedron Lett.</i>	2014	0040-4039	55(39):5358-5360	https://www.sciencedirect.com/journal/tetrahedron-letters/vol/55/issue/39
8.	Facile generation of α,α-dibromodimethylketals from alkynes using TsNBr₂	Kamal K Rajbongshi	Chemistry	<i>Tetrahedron Lett.</i>	2014	0040-4039	55(11):1877-1878	https://www.sciencedirect.com/science/article/abs/pii/S0040403914001695
9.	Facile generation of α,α -dibromodimethylketals from alkynes using TsNBr ₂ .	Kamal Krishna Rajbongshi	Chemistry	<i>Tetrahedron Lett.</i>	2014	0040-4039	55(11):1877-1878	https://www.sciencedirect.com/science/article/abs/pii/S0040403914001695
10.	Hunting in Groups: Dynamics of Chase and Escape	Kishore Dutta	Physics	<i>Journal of Applied Nonlinear Dynamics, Vol. 3,</i>	2014	2164-6457	3(2):105-113	https://www.researchgate.net/publication/273181791_Hunting_in_Groups-Dynamics_of_Chase-and-Escape
11.	Madhya YugarAsamiyaBhasarKarak 'Aitihya'	Lakshi Hazarika	Assamese	<i>The Heritage, V(1)</i>	2014	ISSN 2229-5399	5(1)	https://www.scientiabooks.in/product/madhya-jugar-asamiya-bhasar-rupatattvik-bislesanmorphological-analysis-middle-assamese-language/
12.	Self and self Knowledge in Krishnamurti's Philosophy	Merry Halam	Philosophy	<i>Manavayatan, The Humanosphere</i>	2014	ISSN-2249-0612		https://shodhganga.inflibnet.ac.in/handle/10603/221047
13.	Seed oils from non-conventional sources in north-east India: Potential feedstock for production of biodiesel	Priyanka Barua	Chemistry	<i>Natural Product Research, 28</i>	2014	ISSN 1478-6419	28(8):577-80	https://pubmed.ncbi.nlm.nih.gov/24483850/
14.	Gmelinaarborea and Tabernaemontanadivericata seed oils as non-edible feedstocks for biodiesel production	Priyanka Barua	Chemistry	<i>International Journal of Chem. Tech. Research, 6</i>	2014	.ISSN 0974-4290	6(2):1440-1445	https://www.researchgate.net/publication/261129304_Gmelina_arborea_and_Tabernaemontana_divaricata_Seed_Oils_as_Non-Edible_Feedstocks_for_Biodiesel_Production

15.	Biodiesel derived waste Glycerol as an Economic substance for biosurfactant production using indigenous pseudomonas aeruginosa.	Shyamalima Gogoi	Zoology	<i>RSC Advances Vol-4(73)</i>	2014	-44555	4(73)	https://pubs.rsc.org/en/content/articlelanding/2014/ra/c4ra05594b#!divAbstract
16.	Iron (III) Schiff base complexes of a pyridoxal derivative for enhanced cellular uptake with selectivity and remarkable photocytotoxicity	Akhtar Hussain	Chemistry	<i>Inorganic Chemistry (ACS): 54</i>	2015	ISSN 0020-1669 (Print) ISSN: 1520-510X (Web)	54 (8):3748–3758	https://pubs.acs.org/doi/full/10.1021/ic5027625
17.	Significant photocytotoxic effect of an iron (III) complex of a Schiff base ligand derived from vitamin B ₆ and thiosemicarbazide in visible light.	Akhtar Hussain	Chemistry	<i>RSC Advances (RSC), 5</i>	2015	ISSN: 2046-2069	37	https://pubs.rsc.org/en/content/articlelanding/2015/ra/c5ra04207k#!divAbstract
18.	Orographic role in Anomalous VHF propagation on the background of impending earthquakes	AlakaMedhi	Physics	<i>Annals of Geophysics, 58(3)</i>	2015	DOI: 10.1039/C4an01611d Citation: 4	58(3):1-12	https://www.annalsofgeophysics.eu/index.php/annals/article/view/6716
19.	Infirmities of woman in the sattras of Assam with Reference to MamaniRaisomGoswami's The Mouth-Eaten Howdah of the Tusker	Debarati Das	English	<i>International Journal on Multicultural Literature, 5(2)</i>	2015	ISSN 2231-6248	5(2):28-35	https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=22316248&AN=108437933&h=2P3CsfQDUkaKoRRUAbOH5IF%2fWMSsfOoVIbzVuox4YZxZHXDFurWoOXMWYtnEuaoz%2b92ZPadtDyKmSidogVRgOw%3d%3d&url=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhasurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d22316248%26AN%3d108437933

20.	Macromolecular System with MSA-Capped CdTe and CdTe/ZnS Core/Shell Quantum Dots as Superselective Ultrasensitive Optical Sensors for Picric Acid Explosive	Dilip Saikia	Physics	<i>ACS Applied materials & Interfaces</i> , 7	2015	24778-24790. DOI: 10.1021/ACSA MI.5B07660	7(44):24778–24790	https://pubs.acs.org/doi/10.1021/ac sami.5b07660
21.	A supramolecularnanobiological hybrid as PET sensor for bacterial DNA isolated from Streptomyces sanglieri	Dilip Saikia	Physics	<i>Analyst</i> 139	2015	DOI: 10.1021/ACSA MI.5B07660	Issue 24	https://pubs.rsc.org/en/Content/ArticleLanding/AN/2014/C4AN01611 D#!divAbstract
22.	Metal-free protocol for the synthesis of α -bromo ketones from olefins using TsNBr ₂	Kamal K Rajbongshi	Chemistry	<i>Tetrahedron Lett.</i>	2015	0040-4039	56(2):356-358	https://www.sciencedirect.com/science/article/abs/pii/S0040403914020000
23.	Formation of new C–O and C–N bonds via base promoted Csp ² –Csp ³ bond cleavage of α -nitro ketone	Kamal K Rajbongshi	Chemistry	<i>Tetrahedron Lett.</i>	2015	0040-4039	56(50):7008-7011	https://www.sciencedirect.com/science/article/abs/pii/S0040403915303105
24.	Nonlocal Quartic Interactions and Universality Classes in PerovskiteManganites	Kishore Dutta	Physics	<i>Phys. Rev. E</i> 92, 012123	2015	2469-9926	92(1-1):012123	https://www.researchgate.net/publication/281056228_Nonlocal_quartic_interactions_and_universality_classes_in_perovskite_manganites
25.	Remarkable visible light-triggered cytotoxicity of mitochondria targeting mixed-ligand cobalt (III) complexes of curcumin and phenanthroline bases binding to human serum albumin	Tukki Sarkar	Chemistry	<i>RSC Advances (RSC)</i> , 5:16641	2015	. ISSN: 2046-2069	Issue 22	https://pubs.rsc.org/en/content/articlelanding/2015/ra/c4ra17314g#!divAbstract
26.	Significant photocytotoxic effect of an iron (III) complex of a Schiff base ligand derived from vitamin B ₆ and thiosemicarbazide in visible light.	Tukki Sarkar	Chemistry	<i>RSC Advances (RSC)</i> , 5: 29276	2015	ISSN: 2046-2069	Issue 37	https://pubs.rsc.org/en/content/articlelanding/2015/ra/c5ra04207k#!divAbstract
27.	Synthesis and Characterization of biopolymer protected zinc sulphide nanoparticles	UdaySankarSena pati	Physics	<i>Superlatt. Microstruct.</i> 85	2015	0749-6036	85:722-733	https://www.sciencedirect.com/science/article/abs/pii/S0749603615300665

28.	Visible light-induced cytotoxicity of a dinuclear iron (III) complex of curcumin with low-micromolar IC ₅₀ value in cancer cells	Akhtar Hussain	Chemistry	<i>InorganicaChimicaActa (Elsevier)</i>	2016	ISSN: 0020-1693	439:8-17	http://eprints.iisc.ac.in/52930/
29.	Mitochondrial selectivity and remarkable photocytotoxicity of a ferroceny neodymium (III) complex of terpyridine and curcumin in cancer cells.	Akhtar Hussain	Chemistry	<i>Dalton Transactions (RSC)</i>	2016	ISSN: 1477-9226 (Print) ISSN: 1477-9234 (Web)	45(15):6424-6438	https://europepmc.org/article/med/26947919
30.	Understanding reactivity, aromaticity and absorption spectra of carbon cluster mimic to graphene: a DFT study	Bapan Saha	Chemistry	<i>RSC Adv., 2016</i>	2016	2046-2069	Vol 83	https://pubs.rsc.org/en/content/articlelanding/2016/ra/c6ra15016k#!divAbstract
31.	Unique cation-cyclohexane interactions in tri- and hexa-fluorocyclohexanemultidecker complexes in gas phase: A DFT study	Bapan Saha	Chemistry	<i>RSC Adv.2016</i>	2016	2046-2069	Vol 113	https://pubs.rsc.org/en/content/articlelanding/2016/ra/c6ra24508k#!divAbstract
32.	Adsorption of amino acids on boron and/or nitrogen doped functionalized graphene: A Density Functional Study	Bapan Saha	Chemistry	<i>Comput. Theor. Chem</i>	2016	ISSN 2210-271X	1086:45-51	https://www.sciencedirect.com/science/article/abs/pii/S2210271X16301426
33.	Synthesis of peppermint oil-loaded chitosan/alginate polyelectrolyte complexes and study of their antibacterial activity	Deepanwita Dekka	Botany	<i>Journal of Drug Delivery Science and Technology</i>	2016	ISSN: 1773-2247 (P) 2588-8943 (O)	35:314-322	https://www.sciencedirect.com/science/article/abs/pii/S1773224716302684
34.	Comparison of Degree of Randomness of the Tables of Random Numbers due to Tippett, Fisher & Yates, Kendall & Smith and Rand Corporation	Dhritikesh Chakraborty	Statistics	<i>Journal of Reliability and Statistical Studies</i>	2016	(ISSN (Print) : 0974-8024, ISSN (Online) : 2229-5666)	10(1):27-42	http://www.jrss.in.net/assets/03%20JRSS%2010103.pdf
35.	K P Burgers equation in negative ion-rich relativistic dusty plasma including effect of kinematic viscosity	Dilip Saikia	Physics	<i>Chin. Phys. B. Vol. 25, No. 10, 2016, 105202</i>	2016	1741-4199	25(10):105202	https://ui.adsabs.harvard.edu/abs/2016ChPhB..25j5202D/abstract

36.	CdTe/ZnS Core/shell Quantum dot based ultrasensitive PET sensor for selective detection of Hg (II) in aqueous media	Dilip Saikia	Physics	<i>Sensors and Actuators B</i> , 2016, 230	2016	0925-4005	230:149-156	https://www.sciencedirect.com/science/article/abs/pii/S092540051630185X
37.	Health Cost of Arsenic Contamination of Drinking Water in Assam, India	Jayashree Choudhury	Economics	<i>Economic Analysis and Policy</i> , 49	2016	0313-5926	49:30-42	https://doi.org/10.1016/j.eap.2015.11.013
38.	Critical Dynamics of a Nonlocal Model and Critical Behavior of PerovskiteManganites	Kishore Dutta	Physics	<i>Phys. Rev. E</i> 93, 052132	2016	2469-9926	93:052132	https://journals.aps.org/pre/abstract/10.1103/PhysRevE.93.052132
39.	In vitro and in vivo anthelmintic effects of caesalpinia bonducella leaf extract on Hymenolepis diminuta (cestoda) and Syphacia obvelata (nematode)	Shyamala Gogoi	Zoology	<i>Journal of Intercultural Ethnopharmacology</i>	2016	2146-8397	5(4):427-43	https://doi.org/10.5455/jice.20160821024821
40.	Mitochondrial selectivity and remarkable photocytotoxicity of a ferrocenyl neodymium (III) complex of terpyridine and curcumin in cancer cells.	Tukki Sarkar	Chemistry	<i>Dalton Transactions (RSC)</i>	2016	ISSN: 1477-9226 (Print) ISSN: 1477-9234 (Web)	Not Found	https://pubs.rsc.org/ko/content/getauthorversionpdf/C5DT04775G
41.	Visible light-induced cytotoxicity of a dinuclear iron (III) complex of curcumin with low-micromolar IC ₅₀ value in cancer cells.	Tukki Sarkar	Chemistry	<i>Inorganica Chimica Acta (Elsevier)</i> ,	2016	ISSN: 0020-1693	439:8-17	https://www.sciencedirect.com/science/article/abs/pii/S0020169315004764
42.	B–Hb••• π interaction in borane-graphene complexes: Coronene as a case study	Bapan Saha	Chemistry	<i>New Journal of Chemistry</i>	2017	1144-0546	41, 5040-5054	https://pubs.rsc.org/en/content/articlelanding/1983/nj/c7nj00057j/unauth#!divAbstract
43.	Sandwiches of N-doped diamondoids and benzene via lone pair-cation and cation- π interaction- A DFT study	Bapan Saha	Chemistry	<i>New Journal of Chemistry</i>	2017	1144-0546	41, 14420-14430	https://pubs.rsc.org/en/content/articlelanding/2017/nj/c7nj02467c#!divAbstract

44.	Conserved nonlocal dynamics and critical behavior of Uranium ferromagnetic superconductors	Kishore Dutta	Physics	<i>Physical Review E</i>	2017	2470-0053	95, 012133	https://journals.aps.org/pre/abstract/10.1103/PhysRevE.95.012133
45.	Renormalized cumulants and velocity derivative Skewners in kolmogorov turbulence	Kishore Dutta	Physics	<i>Journal of Physics A: Mathematical and Theoretical</i>	2017	0022-3689	50, 125501	https://iopscience.iop.org/article/10.1088/1751-8121/aa5d84/meta
46.	Molecular Motors Self-Organization of Cytoskeletal Network	Kishore Dutta	Physics	<i>Yangtze Medicine</i>	2017	2475-7349	1, 202-215	https://www.scirp.org/journal/paperinformation.aspx?paperid=81032
47.	Benchmarking the GW approximation and Bethe-salpeter equation for groups IB and IIB Atoand Monoxides	Kopinjal Baishya	Physics	<i>Journal of Chemical Theory and Computation</i>	2017	1549-9618	13, 2135–2146	https://pubs.acs.org/doi/pdf/10.1021/acs.jctc.7b01054
48.	Characterization of β -galactosidase from yeast associated with starter cultures used in household alcohol production in Northeast India	Prapty Das	Botany	<i>Indian Journal of Biotechnology</i>	2017	0972-5849	16, 100-105	http://nopr.niscair.res.in/handle/123456789/42298
49.	Therapeutic efficacy of the leaf extract of Croton joufraRoxb. against experimental cestodiasis in rats	Shyamalima Gogoi	Zoology	<i>Journal of Parasitic Diseases</i>	2017	0974-7196	41, 417–422	https://link.springer.com/article/10.1007%2Fs12639-016-0819-9
50.	Molecular characterization and toxin-typing of Clostridium difficile isolates of dogs and pigs from Assam and Mizoram of North East India	Sushmita Das	Institutional Bio Tech Hub funded by DBT	<i>Current Science</i>	2017	0011-3891	113, 1099-1106	https://www.currentscience.ac.in/Volumes/113/06/1099.pdf
51.	In vitro and in vivo anthelmintic efficacy of two pentacyclictriterpenoids, ursolic acid and betunilic acid against mice pinworm Syphaciaobveleta.	Shyamalima Gogoi	Zoology	<i>Journal of Parasitic Diseases</i>	2018	0971-7196	42, 144-149	https://link.springer.com/article/10.1007%2Fs12639-017-0960-0

52.	Ferrocene conjugated copper (II) complexes of terpyridine and traditional Chinese medicine (TCM) anticancer ligands showing selective toxicity towards cancer cells	Akhtar Hussain	Chemistry	<i>Applied Organometallic Chemistry</i>	2018	1099-0739	32, e4287	https://onlinelibrary.wiley.com/doi/abs/10.1002/aoc.4287
53.	A standardized protocol for the genomic DNA isolation from the leaf of <i>Camellia sinensis</i> (Linn.)O. Kuntze.	Aswathy Ravindran	Botany	<i>Journal of food, Agriculture and Environment</i>	2018	1459-0263	16, 33-37	http://dx.doi.org/10.21276/ijlssr.2017.3.5.13
54.	A standardized protocol for the genomic DNA isolation from the leaf of <i>Camellia sinensis</i> (Linn.)O. Kuntze.	Bandana Nabis Das	Botany	<i>Journal of food, Agriculture and Environment</i>	2018	1459-0263	16, 33-37	http://dx.doi.org/10.21276/ijlssr.2017.3.5.13
55.	Density Functional Study on the absorption of 5-membered N-Heterocycles on B/N/BN- Doped Graphene: Coronene as a model System	Bapan Saha	Chemistry	<i>ACS Omega</i>	2018	2470-1343	3, 16753-16768	https://pubs.acs.org/doi/10.1021/acsomega.8b02340
56.	On the formation of Polymeric Housene Molecules of Group 15 Elements (N,P,As and Sb): a DFT study	Bapan Saha	Chemistry	<i>Journal of Physical Chemistry A</i>	2018	1089-5639	122, 6780–6788	https://pubs.acs.org/doi/full/10.1021/acs.jpca.8b06161
57.	On the formation of Sandwich and Multidecker complexes via...interaction: A DFT study	Bapan Saha	Chemistry	<i>New Journal of Chemistry</i>	2018	1144-0546	24, 19924-19933	https://pubs.rsc.org/en/content/articlelanding/2018/nj/c8nj04470h#!divAbstract
58.	Understanding the structure Reactivity and Absorption Spectra of Borazine Doped Pillar[5]arene: A DFT study	Bapan Saha	Chemistry	<i>Computational and Theoretical Chemistry</i>	2018	2210-271X	1139, 82-89	https://www.sciencedirect.com/science/article/abs/pii/S2210271X18302949
59.	Antimicrobial activity of Endophytic Fungi from leaves and barks of <i>Litsea cubeba</i> Pers., a traditionally important medicinal plant of Northeast India.	Deepanwita Dekha	Botany	<i>Jordan Journal of Biological Sciences</i>	2018	1995-6673	11, 73 - 79	http://www.jjbs.hu.edu.jo/files/v11n1/Paper%20Number%2011m.pdf

60.	Investigation of pH sensitive swelling and curcumin release behaviour of Chitgle Hydrogel	Deepan wita Deka	Botany	<i>Journal of polymers and the Environment</i>	2018	1572-8919	26, 4034–4045	https://link.springer.com/article/10.1007/s10924-018-1272-x
61.	Optimization of culture parameter for improved production of bioactive metabolite by endophytic Geosmithiapallida (KU693285) isolated from BruceamollisWall.exKurz., an endangered medicinal plant.	Deepan wita Deka	Botany	<i>Journal of pure and Applied Microbiology</i>	2018	2581-690X	12, 1205-1213	http://dx.doi.org/10.22207/JPAM.12.3.21
62.	Anisotropic distribution of scalar in stably	Kishor Dutta	Physics	<i>Journal of Statistical Mechanics-Theory and Experiment</i>	2018	1742-5468	2018, 083204	https://iopscience.iop.org/article/10.1088/1742-5468/aabbcd/meta
63.	Transition in Spatial Pattern in an interacting turing system	Kishor Dutta	Physics	<i>Journal of Statistical Physics</i>	2018	1572-9613	174, 351–364	https://link.springer.com/article/10.1007/s10955-018-2182-y
64.	Spectral calculation for pressure-velocity and pressure-strain correlation in homogeneous shear turbulence	Kishore Dutta	Physics	<i>Journal of Statistical Mechanics-Theory and Experiment</i>	2018	1742-5468	2018, 023204	https://iopscience.iop.org/article/10.1088/1742-5468/aaa8ec
65.	In vitro callus induction and indirect organogenesis of BruceamollisWall. Ex Kurz- A potential medicinal plant of North-East India	Prapty Das	Botany	<i>South African Journal of Botany</i>	2018	0254-6299	119, 203–211	https://www.sciencedirect.com/science/article/pii/S0254629918310275
66.	Habitat distribution modelling for improving conservation status of BruceamollisWall.exKurz.- An endangered potential medicinal plant of North-East India	Prapty Das	Botany	<i>Journal for Nature Conservation</i>	2018	1617-1381	43, 104–110	https://www.sciencedirect.com/science/article/abs/pii/S1617138117301425

67.	Mitochondrial DNA variation, phylogeography and social organization of Asian elephant (<i>Elephas maximus</i>) of North East India	Sushmita Das	Institutional Biotech Hub funded by DBT	<i>Indian Journal of Animal Research</i>	2018	0976-0555	53, 1121-1128	https://arccjournals.com/journal/indian-journal-of-animal-research/B-3609
68.	Karyomorphological studies in three species of the genus <i>Phlogacanthus</i> Nees occurring in Assam	Bandana Nabis Das	Botany	<i>Indian Journal of Genetics and Plant Breeding</i>	2019	0975-6906	79, 507-510	http://www.isgpb.org/article/karyomorphological-studies-in-three-species-of-the-genus-phlogacanthus-nees-occurring-in-assam
69.	DFT Study on the Formation of Homo and Hetero dimers of BN-doped Tetracyclic fused Aromatics via π - π Stacking	Bapan Saha	Chemistry	<i>Chemistry Select</i>	2019	2365-6549	4, 481-491	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.201803696
70.	Nonclassical B-H π interaction in diborane localized- π sandwiches: A DFT-D3 study	Bapan Saha	Chemistry	<i>International Journal of Quantum Chemistry</i>	2019	1097-461X	119, e25998	https://onlinelibrary.wiley.com/doi/epdf/10.1002/qua.25998
71.	Anion- π interaction in oxoanion-graphene complex using coronene as model system: A DFT study	Bapan Saha	Chemistry	<i>Computational and Theoretical Chemistry</i>	2019	2210-271X	1147, 62-71	https://www.sciencedirect.com/science/article/abs/pii/S2210271X18304870