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Chemistry and Biochemistry Authored Faculty Publications: Snapshot of the Ranking of Journals in which they published based on data from Journal Citation Reports (JCR)

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Citation

Salisbury, L., Tian, Y., & Smith, J. (2020). Chemistry and Biochemistry Authored Faculty Publications: Snapshot of the Ranking of Journals in which they published based on data from Journal Citation Reports (JCR). *University Libraries Faculty Publications and Presentations*. Retrieved from <https://scholarworks.uark.edu/libpub/38>

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**University of Arkansas Libraries
Chemistry and Biochemistry Library**

Chemistry and Biochemistry Authored Faculty Publications: Snapshot of the Ranking of Journals in which they published based on data from Journal Citation Reports (JCR).

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This report provides a snapshot of the ranking of journals for CHBC faculty authored papers for the period: 2015-2019.

JCR is a database produced by Clarivate Analytics that provides impact factors and rankings of over 9000 journals. The impact factor of a journal is calculated based on the number of citations in 2019 to items published in 2017 and 2018 divided by the number of citable items in 2017 and 2018. It offers a range of items for a particular journal including impact factor, total cites, total articles, and immediacy index. It also provides a five-year impact factor and visualized trend data.

In this database, journals are assigned to broad subject categories. Quartile ranks within each category are assigned based on the Journal Impact Factor (JIF) of each journal. It is important to remember that the JIF should only be used to compare journals within a category and never between categories.

Also, a journal may be assigned to multiple categories. The quartile ranking in each category may differ due to different citation patterns within each area of study. For example, the Journal of Physical Chemistry C is assigned to three categories, namely: Chemistry, Physical; Material Science, Multidisciplinary; and Nanoscience & Nanotechnology. This journal is ranked in Q1 in the first two categories and Q2 in the third category.

Summary CHBC Faculty Publications 2015-2019

Table 1: Summary of CHBC Faculty Publications

2015-2019	#	%
Total Publications	549	100.0
Abstracts	140	22.5
Book, Sections	7	1.3
Conference Proceedings	87	15.8
Journal Articles	307	55.9
Patents	8	1.5

Characteristics of Journals in JCR

274 of the 307 journal articles (89 percent) that CHBC faculty published are available from 147 journals indexed in JCR. The remaining 11 percent of the papers (n=33) are in 25 journals not **currently** available in JCR.

Tables 2 and 3 below provide a summary for the quartile assigned to the journals.

168 (61.3%) articles published in 84 unique journals were ranked within the first quartile of categories assigned to the journals.

87 (31.8%) articles published in 45 unique journals are ranked in the second quartile.

10 (3.6%) articles published in 9 journals are ranked in the third quartile.

9 (3.3%) articles published in 9 journals are ranked in the fourth quartile. (See listing in Table 4).

Table 5 lists the journals in which faculty published ranked by the number of journals in each journal.

Table 2: Characteristics of Articles/Journals

2015-2019	Journal Titles		Articles		Cites	
Journal Article	#	%	#	%	#	%
Total	172	100.0	307	100.0	2847	100.0
Not Indexed	25	14.5	33	10.7	111	3.9
Indexed	147	85.5	274	89.3	2736	96.1
Q1	84	57.1	168	61.3	2188	80.0
Q2	45	30.6	87	31.8	489	17.9
Q3	9	6.1	10	3.6	25	0.9
Q4	9	6.1	9	3.3	34	1.2

Table 3: Characteristics of Articles/Journals by Year

Journal Article	Publication Year					Total
	2015	2016	2017	2018	2019	
Not Indexed	5	8	9	2	9	33
Indexed	42	58	52	62	60	274
Q1	27	32	32	44	33	168
Q2	14	22	13	15	23	87
Q3	0	2	4	2	2	10
Q4	1	2	3	1	2	9
Cites	682	782	736	401	135	2736
Q1	508	638	604	333	105	2188
Q2	167	130	99	64	29	489
Q3	0	3	20	1	1	25
Q4	7	11	13	3	0	34
Average Cites	16.24	13.48	14.15	6.47	2.25	9.99
Q1	18.81	19.94	18.88	7.57	3.18	13.02
Q2	11.93	5.91	7.62	4.27	1.26	5.62
Q3	0.00	1.50	5.00	0.50	0.50	2.50

Q4	7.00	5.50	4.33	3.00	0.00	3.78
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Table 4 lists the journals in which CHBC faculty/researchers published, the number of articles CHBC faculty/researchers published in each journal and the categories and ranks assigned to them in JCR. **The journals are grouped in this tables below based on the highest rank assigned to the journal.**

In the case of Accounts of Chemical Research, CHBC/researchers published one paper in this journal, this journal is assigned to the category: Chemistry, Multidisciplinary, and in Quartile 1, and is ranked 7 out of 172 journals in this category.

Table 4: Journals in which CHBC Faculty Published and JCR Ranking, 2015-2019 (Q1 highest, Q4, lowest)

JCR Q1 Journals [Highest Ranking]		
Journal Title	# of Articles	Categories/Rank
Accounts of Chemical Research	1	CHEMISTRY, MULTIDISCIPLINARY: Q1 [7/172]
ACS Applied Materials and Interfaces	5	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [27/293]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [16/94]
ACS Biomaterials Science and Engineering	1	MATERIALS SCIENCE, BIOMATERIALS: Q1 [8/32]
ACS Catalysis	5	CHEMISTRY, PHYSICAL: Q1 [11/148]
ACS Central Science	2	CHEMISTRY, MULTIDISCIPLINARY: Q1 [15/172]
ACS Chemical Biology	2	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [70/298]
ACS Energy Letters	1	CHEMISTRY, PHYSICAL: Q1 [4/148]; ELECTROCHEMISTRY: Q1 [1/26]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [13/293]; ENERGY & FUELS: Q1 [5/103]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [5/94]
ACS Infectious Diseases	1	CHEMISTRY, MEDICINAL: Q1 [4/61]; INFECTIOUS DISEASES: Q1 [11/89]
ACS Nano	2	CHEMISTRY, PHYSICAL: Q1 [9/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [18/293]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [14/172]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [9/94]
ACS Synthetic Biology	1	BIOCHEMICAL RESEARCH METHODS: Q1 [6/79]
Acta Biomaterialia	2	ENGINEERING, BIOMEDICAL: Q1 [7/80]; MATERIALS SCIENCE, BIOMATERIALS: Q1 [3/32]
Advanced Energy Materials	1	CHEMISTRY, PHYSICAL: Q1 [3/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [6/293]; PHYSICS, APPLIED: Q1 [4/148]; ENERGY & FUELS:

		Q1 [4/103]; PHYSICS, CONDENSED MATTER: Q1 [4/68]
Advanced Functional Materials	2	CHEMISTRY, PHYSICAL: Q1 [5/148]; PHYSICS, APPLIED: Q1 [6/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [15/293]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [11/172]; PHYSICS, CONDENSED MATTER: Q1 [5/68]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [7/94]
Advanced Science (Weinheim, Germany)	1	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [14/293]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [10/172]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [6/94]
Advanced Synthesis and Catalysis	3	CHEMISTRY, APPLIED: Q1 [4/71]; CHEMISTRY, ORGANIC: Q1 [5/57]
Analyst	1	CHEMISTRY, ANALYTICAL: Q1 [14/84]
Analytica Chimica Acta	1	CHEMISTRY, ANALYTICAL: Q1 [10/84]
Analytical Chemistry	7	CHEMISTRY, ANALYTICAL: Q1 [7/84]
Angewandte Chemie-International Edition	4	CHEMISTRY, MULTIDISCIPLINARY: Q1 [17/172]
Antiviral Research	1	PHARMACOLOGY & PHARMACY: Q1 [50/267]; VIROLOGY: Q1 [9/36]
Applied Organometallic Chemistry	1	CHEMISTRY, INORGANIC & NUCLEAR: Q1 [10/45]; CHEMISTRY, APPLIED: Q1 [17/71]
Applied Physics Letters	2	PHYSICS, APPLIED: Q1 [31/148]
Biochimica et Biophysica Acta-Biomembranes	3	BIOPHYSICS: Q1 [16/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [95/298]
Biochimica et Biophysica Acta-General Subjects	1	BIOPHYSICS: Q1 [8/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [60/298]
Biomacromolecules	1	CHEMISTRY, ORGANIC: Q1 [4/57]; POLYMER SCIENCE: Q1 [7/87]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [42/298]
Biomaterials	2	MATERIALS SCIENCE, BIOMATERIALS: Q1 [1/32]; ENGINEERING, BIOMEDICAL: Q1 [3/80]
Biomedical Optics Express	2	BIOCHEMICAL RESEARCH METHODS: Q1 [12/79]; OPTICS: Q1 [15/95]; RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING: Q1 [22/129]
Bioorganic chemistry	1	CHEMISTRY, ORGANIC: Q1 [13/57]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [90/298]
Cell Death and Disease	1	CELL BIOLOGY: Q1 [38/193]
Chemistry-a European Journal	1	CHEMISTRY, MULTIDISCIPLINARY: Q1 [37/172]
Clinical Cancer Research	1	ONCOLOGY: Q1 [16/229]
Comments on Inorganic Chemistry	1	CHEMISTRY, INORGANIC & NUCLEAR: Q1 [9/45]
Dalton Transactions	3	CHEMISTRY, INORGANIC & NUCLEAR: Q1 [7/45]
Energy and Environmental Science	1	ENVIRONMENTAL SCIENCES: Q1 [1/250]; ENGINEERING, CHEMICAL: Q1 [1/138]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [3/172]; ENERGY & FUELS: Q1 [2/103]

European journal of medicinal chemistry	1	CHEMISTRY, MEDICINAL: Q1 [5/61]
FEBS Journal	2	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [55/298]
Food Research International	1	FOOD SCIENCE & TECHNOLOGY: Q1 [27/135]
Frontiers in Microbiology	1	MICROBIOLOGY: Q1 [32/133]
Frontiers in Pharmacology	1	PHARMACOLOGY & PHARMACY: Q1 [59/267]
Green Chemistry	2	GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY: Q1 [2/41]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [20/172]
Inorganic Chemistry	1	CHEMISTRY, INORGANIC & NUCLEAR: Q1 [4/45]
International Journal of Biological Macromolecules	1	POLYMER SCIENCE: Q1 [8/87]; CHEMISTRY, APPLIED: Q1 [9/71]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [52/298]
International Journal of Hyperthermia	2	RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING: Q1 [28/129]; ONCOLOGY: Q2 [84/229]
Journal of Agricultural and Food Chemistry	1	AGRICULTURE, MULTIDISCIPLINARY: Q1 [3/56]; CHEMISTRY, APPLIED: Q1 [14/71]; FOOD SCIENCE & TECHNOLOGY: Q1 [28/135]
Journal of Catalysis	1	ENGINEERING, CHEMICAL: Q1 [7/138]; CHEMISTRY, PHYSICAL: Q1 [25/148]
Journal of Chemical Theory and Computation	4	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL: Q1 [6/36]; CHEMISTRY, PHYSICAL: Q1 [33/148]
Journal of CO2 Utilization	1	ENGINEERING, CHEMICAL: Q1 [11/138]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [36/172]
Journal of Colloid and Interface Science	2	CHEMISTRY, PHYSICAL: Q1 [29/148]
Journal of General Physiology	2	PHYSIOLOGY: Q1 [12/81]
Journal of Head Trauma Rehabilitation	1	REHABILITATION: Q1 [13/134]; CLINICAL NEUROLOGY: Q2 [97/199]
Journal of Industrial and Engineering Chemistry	1	ENGINEERING, CHEMICAL: Q1 [15/138]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [38/172]
Journal of Materials Chemistry A	2	ENERGY & FUELS: Q1 [6/103]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [21/293]; CHEMISTRY, PHYSICAL: Q1 [14/148]
Journal of Molecular Biology	2	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [47/298]
Journal of Molecular Liquids	1	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL: Q1 [7/36]; CHEMISTRY, PHYSICAL: Q2 [42/148]
Journal of Organic Chemistry	3	CHEMISTRY, ORGANIC: Q1 [7/57]
Journal of Pharmacology and Experimental Therapeutics	1	PHARMACOLOGY & PHARMACY: Q1 [66/267]
Journal of Photochemistry and Photobiology B-Biology	2	BIOPHYSICS: Q1 [14/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [82/298]
Journal of Physical Chemistry C	5	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [60/293]; CHEMISTRY, PHYSICAL: Q2 [44/148]; NANOSCIENCE & NANOTECHNOLOGY: Q2 [34/94]

Journal of Physical Chemistry Letters	3	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL: Q1 [4/36]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [36/293]; CHEMISTRY, PHYSICAL: Q1 [28/148]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [18/94]
Journal of the American Chemical Society	6	CHEMISTRY, MULTIDISCIPLINARY: Q1 [12/172]
Journal of the Electrochemical Society	4	MATERIALS SCIENCE, COATINGS & FILMS: Q1 [4/20]; ELECTROCHEMISTRY: Q2 [11/26]
Journal of the Mechanical Behavior of Biomedical Materials	1	ENGINEERING, BIOMEDICAL: Q1 [18/80]; MATERIALS SCIENCE, BIOMATERIALS: Q2 [13/32]
Journal of the Royal Society Interface	1	MULTIDISCIPLINARY SCIENCES: Q1 [16/69]
Journal of the Taiwan Institute of Chemical Engineers	1	ENGINEERING, CHEMICAL: Q1 [27/138]
Molecular Neurobiology	8	NEUROSCIENCES: Q1 [57/267]
Nano Energy	2	CHEMISTRY, PHYSICAL: Q1 [6/148]; PHYSICS, APPLIED: Q1 [7/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [16/293]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [8/94]
Nano Letters	1	PHYSICS, APPLIED: Q1 [9/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [19/293]; CHEMISTRY, PHYSICAL: Q1 [10/148]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [16/172]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [10/94]; PHYSICS, CONDENSED MATTER: Q1 [8/68]
Nanomedicine	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY: Q1 [23/162]; NANOSCIENCE & NANOTECHNOLOGY: Q2 [31/94]
Nanoscale	2	PHYSICS, APPLIED: Q1 [18/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [41/293]; CHEMISTRY, MULTIDISCIPLINARY: Q1 [26/172]; NANOSCIENCE & NANOTECHNOLOGY: Q1 [20/94]
Nanotechnology	1	PHYSICS, APPLIED: Q1 [34/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q2 [83/293]; NANOSCIENCE & NANOTECHNOLOGY: Q2 [40/94]
Nature Chemical Biology	1	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q1 [8/298]
Nature Energy	1	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [2/293]; ENERGY & FUELS: Q1 [1/103]
Organic Letters	3	CHEMISTRY, ORGANIC: Q1 [2/57]
Organometallics	2	CHEMISTRY, INORGANIC & NUCLEAR: Q1 [5/45]; CHEMISTRY, ORGANIC: Q1 [11/57]
Palaeogeography Palaeoclimatology Palaeoecology	1	PALEONTOLOGY: Q1 [4/57]; GEOSCIENCES, MULTIDISCIPLINARY: Q2 [70/196]; GEOGRAPHY, PHYSICAL: Q2 [25/50]
Particle and Particle Systems Characterization	2	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q1 [62/293]; CHEMISTRY, PHYSICAL: Q2 [45/148]; NANOSCIENCE & NANOTECHNOLOGY: Q2 [36/94]

Pharmaceutical research	1	PHARMACOLOGY & PHARMACY: Q1 [54/267]; CHEMISTRY, MULTIDISCIPLINARY: Q2 [52/172]
Poultry Science	1	AGRICULTURE, DAIRY & ANIMAL SCIENCE: Q1 [8/61]
Proceedings of the National Academy of Sciences of the United States of America	3	MULTIDISCIPLINARY SCIENCES: Q1 [7/69]
Science China-Chemistry	1	CHEMISTRY, MULTIDISCIPLINARY: Q1 [33/172]
Scientific Reports	11	MULTIDISCIPLINARY SCIENCES: Q1 [15/69]
Soft Matter	2	POLYMER SCIENCE: Q1 [15/87]; PHYSICS, MULTIDISCIPLINARY: Q1 [14/81]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q2 [83/293]; CHEMISTRY, PHYSICAL: Q2 [58/148]
Theranostics	1	MEDICINE, RESEARCH & EXPERIMENTAL: Q1 [10/136]
Tribology International	1	ENGINEERING, MECHANICAL: Q1 [18/129]

JCR Q2 Journals		
Journal Title	# of Articles	Categories/Rank
ACS Combinatorial Science	2	CHEMISTRY, APPLIED: Q2 [18/71]; CHEMISTRY, MULTIDISCIPLINARY: Q2 [62/172]; CHEMISTRY, MEDICINAL: Q2 [24/61]
ACS Omega	1	CHEMISTRY, MULTIDISCIPLINARY: Q2 [76/172]
Acta Crystallographica Section D-Structural Biology	1	CRYSTALLOGRAPHY: Q2 [7/26]; BIOCHEMICAL RESEARCH METHODS: Q2 [22/79]; BIOPHYSICS: Q2 [25/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [129/298]
Archives of Biochemistry and Biophysics	1	BIOPHYSICS: Q2 [21/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [114/298]
Biochemical and biophysical research communications	1	BIOPHYSICS: Q2 [28/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q3 [157/298]
Biochemistry	4	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [142/298]
Bioorganic and Medicinal Chemistry	3	CHEMISTRY, ORGANIC: Q2 [19/57]; CHEMISTRY, MEDICINAL: Q2 [28/61]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q3 [155/298]
Bioorganic and Medicinal Chemistry Letters	1	CHEMISTRY, ORGANIC: Q2 [23/57]; CHEMISTRY, MEDICINAL: Q3 [33/61]
Biophysical journal	5	BIOPHYSICS: Q2 [20/72]
Biotechnology Progress	2	FOOD SCIENCE & TECHNOLOGY: Q2 [47/135]; BIOTECHNOLOGY & APPLIED MICROBIOLOGY: Q3 [83/162]
Brain Injury	1	REHABILITATION: Q2 [52/134]; NEUROSCIENCES: Q4 [226/267]
Catalysts	1	CHEMISTRY, PHYSICAL: Q2 [57/148]

ChemBioChem	4	CHEMISTRY, MEDICINAL: Q2 [30/61]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q3 [164/298]
Chemnanomat	1	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q2 [86/293]; CHEMISTRY, MULTIDISCIPLINARY: Q2 [59/172]; NANOSCIENCE & NANOTECHNOLOGY: Q2 [41/94]
ChemPhysChem	1	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL: Q2 [10/36]; CHEMISTRY, PHYSICAL: Q2 [63/148]
ChemPlusChem	1	CHEMISTRY, MULTIDISCIPLINARY: Q2 [57/172]
CNS and Neurological Disorders-Drug Targets	2	PHARMACOLOGY & PHARMACY: Q2 [119/267]; NEUROSCIENCES: Q3 [150/267]
Electroanalysis	1	CHEMISTRY, ANALYTICAL: Q2 [31/84]; ELECTROCHEMISTRY: Q2 [13/26]
FEBS Letters	1	BIOPHYSICS: Q2 [30/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q3 [160/298]; CELL BIOLOGY: Q3 [129/193]
Frontiers of Physics	1	PHYSICS, MULTIDISCIPLINARY: Q2 [27/81]
Genes	1	GENETICS & HEREDITY: Q2 [61/174]
Journal of Berry Research	1	PLANT SCIENCES: Q2 [69/228]
Journal of Biological Chemistry	5	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [81/298]
Journal of Biomolecular Structure and Dynamics	1	BIOPHYSICS: Q2 [23/72]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [125/298]
Journal of Biotechnology	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY: Q2 [53/162]
Journal of Chemical Education	1	EDUCATION, SCIENTIFIC DISCIPLINES: Q2 [20/41]; CHEMISTRY, MULTIDISCIPLINARY: Q3 [103/172]
Journal of Chemical Physics	12	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL: Q2 [11/36]; CHEMISTRY, PHYSICAL: Q2 [64/148]
Journal of Food Science and Technology (Mysore)	1	FOOD SCIENCE & TECHNOLOGY: Q2 [64/135]
Journal of Physical Chemistry A	1	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL: Q2 [16/36]; CHEMISTRY, PHYSICAL: Q2 [73/148]
Journal of Physical Chemistry B	6	CHEMISTRY, PHYSICAL: Q2 [69/148]
Journal of the American Oil Chemists Society	1	CHEMISTRY, APPLIED: Q2 [34/71]; FOOD SCIENCE & TECHNOLOGY: Q3 [68/135]
Langmuir	1	MATERIALS SCIENCE, MULTIDISCIPLINARY: Q2 [76/293]; CHEMISTRY, MULTIDISCIPLINARY: Q2 [56/172]; CHEMISTRY, PHYSICAL: Q2 [53/148]
Materials Letters	1	PHYSICS, APPLIED: Q2 [44/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q2 [101/293]
Microfluidics and Nanofluidics	1	INSTRUMENTS & INSTRUMENTATION: Q2 [24/61]; PHYSICS, FLUIDS & PLASMAS: Q2 [13/32]; NANOSCIENCE & NANOTECHNOLOGY: Q3 [54/94]

Molecules	1	CHEMISTRY, MULTIDISCIPLINARY: Q2 [68/172]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q2 [136/298]
Nanoscale Research Letters	1	PHYSICS, APPLIED: Q2 [41/148]; MATERIALS SCIENCE, MULTIDISCIPLINARY: Q2 [95/293]; NANOSCIENCE & NANOTECHNOLOGY: Q2 [46/94]
New Journal of Chemistry	4	CHEMISTRY, MULTIDISCIPLINARY: Q2 [67/172]
Plos One	1	MULTIDISCIPLINARY SCIENCES: Q2 [24/69]
Progress in Brain Research	2	NEUROSCIENCES: Q2 [129/267]
Royal Society Open Science	1	MULTIDISCIPLINARY SCIENCES: Q2 [26/69]
RSC Advances	4	CHEMISTRY, MULTIDISCIPLINARY: Q2 [69/172]
Starch-Starke	1	FOOD SCIENCE & TECHNOLOGY: Q2 [65/135]
Synthesis (Stuttgart)	1	CHEMISTRY, ORGANIC: Q2 [18/57]
Tetrahedron Letters	1	CHEMISTRY, ORGANIC: Q2 [28/57]
Tribology Letters	1	ENGINEERING, MECHANICAL: Q2 [52/129]; ENGINEERING, CHEMICAL: Q2 [65/138]

JCR Q3 Journals		
Journal Title	# of Articles	Categories/Rank
Biocatalysis and Biotransformation	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY: Q3 [121/162]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q4 [252/298]
Canadian Journal of Chemistry-Revue Canadienne de Chimie	1	CHEMISTRY, MULTIDISCIPLINARY: Q3 [125/172]
Chemistryselect	1	CHEMISTRY, MULTIDISCIPLINARY: Q3 [107/172]
Journal of Fluorescence	1	CHEMISTRY, ANALYTICAL: Q3 [52/84]; CHEMISTRY, PHYSICAL: Q3 [96/148]; BIOCHEMICAL RESEARCH METHODS: Q3 [54/79]
Journal of Food Biochemistry	1	FOOD SCIENCE & TECHNOLOGY: Q3 [91/135]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q4 [262/298]
Journal of Organometallic Chemistry	1	CHEMISTRY, ORGANIC: Q3 [29/57]; CHEMISTRY, INORGANIC & NUCLEAR: Q3 [24/45]
Jove-Journal of Visualized Experiments	1	MULTIDISCIPLINARY SCIENCES: Q3 [41/69]
Lipids	1	NUTRITION & DIETETICS: Q3 [58/86]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q3 [210/298]
Nanomedicine in Central Nervous System Injury and Repair	2	NEUROSCIENCES: Q3 [171/267]

JCR Q4 Journals		
Journal Title	# of Articles	Categories/Rank
Acta Crystallographica Section C-Structural Chemistry	1	CHEMISTRY, MULTIDISCIPLINARY: Q4 [138/172]; CRYSTALLOGRAPHY: Q4 [21/26]
Biochemistry and Molecular Biology Education	1	EDUCATION, SCIENTIFIC DISCIPLINES: Q4 [32/41]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q4 [280/298]
Biomolecular NMR Assignments	1	BIOPHYSICS: Q4 [69/72]; SPECTROSCOPY: Q4 [40/41]
Febs Open Bio	1	BIOCHEMISTRY & MOLECULAR BIOLOGY: Q4 [226/298]
Journal of Liquid Chromatography and Related Technologies	1	CHEMISTRY, ANALYTICAL: Q4 [72/84]; BIOCHEMICAL RESEARCH METHODS: Q4 [76/79]
Natural Product Communications	1	FOOD SCIENCE & TECHNOLOGY: Q4 [122/135]; CHEMISTRY, MEDICINAL: Q4 [60/61]
Protein Expression and Purification	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY: Q4 [138/162]; BIOCHEMICAL RESEARCH METHODS: Q4 [70/79]; BIOCHEMISTRY & MOLECULAR BIOLOGY: Q4 [267/298]
Proteome Science	1	BIOCHEMICAL RESEARCH METHODS: Q4 [60/79]
Theoretical Chemistry Accounts	1	CHEMISTRY, PHYSICAL: Q4 [113/148]

Table 5: Listing of Journals in which CHBC Faculty Published Ranked by the Number of Articles in each Journal.

Source Titles	Records	% of 290	Best Quartile	# Citations
JOURNAL OF CHEMICAL PHYSICS	12	4.14	Q2	87
SCIENTIFIC REPORTS	11	3.79	Q1	42
MOLECULAR NEUROBIOLOGY	8	2.76	Q1	53
ANALYTICAL CHEMISTRY	7	2.41	Q1	65
JOURNAL OF PHYSICAL CHEMISTRY B	6	2.07	Q2	26
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	6	2.07	Q1	180
ACS APPLIED MATERIALS AND INTERFACES	5	1.72	Q1	51
ACS CATALYSIS	5	1.72	Q1	18
BIOPHYSICAL JOURNAL	5	1.72	Q2	25
JOURNAL OF BIOLOGICAL CHEMISTRY	5	1.72	Q2	36
JOURNAL OF PHYSICAL CHEMISTRY C	5	1.72	Q1	95
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	4	1.38	Q1	107
BIOCHEMISTRY	4	1.38	Q2	16
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII KHIMIYA I KHIMICHESKAYA TEKHNLOGIYA	4	1.38	N/A	5
JOURNAL OF CHEMICAL THEORY AND COMPUTATION	4	1.38	Q1	27

JOURNAL OF THE ELECTROCHEMICAL SOCIETY	4	1.38	Q1	18
NEW JOURNAL OF CHEMISTRY	4	1.38	Q2	28
RSC ADVANCES	4	1.38	Q2	34
ADVANCED SYNTHESIS AND CATALYSIS	3	1.03	Q1	61
BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES	3	1.03	Q1	18
BIOORGANIC AND MEDICINAL CHEMISTRY	3	1.03	Q2	13
CHEMBIOCHEM	3	1.03	Q2	27
DALTON TRANSACTIONS	3	1.03	Q1	4
JOURNAL OF ORGANIC CHEMISTRY	3	1.03	Q1	25
JOURNAL OF PHYSICAL CHEMISTRY LETTERS	3	1.03	Q1	9
ORGANIC LETTERS	3	1.03	Q1	17
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	3	1.03	Q1	110
ACS CENTRAL SCIENCE	2	0.69	Q1	15
ACS CHEMICAL BIOLOGY	2	0.69	Q1	24
ACS COMBINATORIAL SCIENCE	2	0.69	Q2	3
ACS NANO	2	0.69	Q1	34
ACTA BIOMATERIALIA	2	0.69	Q1	11
ADVANCED FUNCTIONAL MATERIALS	2	0.69	Q1	29
APPLIED PHYSICS LETTERS	2	0.69	Q1	3
BIOMARKER INSIGHTS	2	0.69	N/A	11
BIOMATERIALS	2	0.69	Q1	22
BIOMEDICAL OPTICS EXPRESS	2	0.69	Q1	9
BIOTECHNOLOGY PROGRESS	2	0.69	Q2	8
CNS AND NEUROLOGICAL DISORDERS-DRUG TARGETS	2	0.69	Q2	26
FEBS JOURNAL	2	0.69	Q1	2
GREEN CHEMISTRY	2	0.69	Q1	37
INTERNATIONAL JOURNAL OF HYPERTHERMIA	2	0.69	Q1	15
International Review of Neurobiology	2	0.69	Q3	11
JOURNAL OF COLLOID AND INTERFACE SCIENCE	2	0.69	Q1	16
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2	0.69	N/A	23
JOURNAL OF GENERAL PHYSIOLOGY	2	0.69	Q1	16
JOURNAL OF MATERIALS CHEMISTRY A	2	0.69	Q1	89
JOURNAL OF MOLECULAR BIOLOGY	2	0.69	Q1	29
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY	2	0.69	Q1	38
MRS ADVANCES	2	0.69	N/A	2
NANO ENERGY	2	0.69	Q1	61
NANOSCALE	2	0.69	Q1	5
ORGANOMETALLICS	2	0.69	Q1	4
PARTICLE AND PARTICLE SYSTEMS CHARACTERIZATION	2	0.69	Q1	2
PROGRESS IN BRAIN RESEARCH	2	0.69	Q2	3
SOFT MATTER	2	0.69	Q1	28

ACCOUNTS OF CHEMICAL RESEARCH	1	0.35	Q1	74
ACS BIOMATERIALS SCIENCE AND ENGINEERING	1	0.35	Q1	1
ACS ENERGY LETTERS	1	0.35	Q1	14
ACS INFECTIOUS DISEASES	1	0.35	Q1	57
ACS OMEGA	1	0.35	Q2	1
ACS SYNTHETIC BIOLOGY	1	0.35	Q1	12
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY	1	0.35	Q4	0
ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY	1	0.35	Q2	10
ADVANCED ENERGY MATERIALS	1	0.35	Q1	17
ADVANCED SCIENCE (WEINHEIM, GERMANY)	1	0.35	Q1	131
ADVANCED THERAPEUTICS	1	0.35	N/A	1
ANALYST	1	0.35	Q1	10
ANALYTICA CHIMICA ACTA	1	0.35	Q1	84
ANTIVIRAL RESEARCH	1	0.35	Q1	5
APPLIED ORGANOMETALLIC CHEMISTRY	1	0.35	Q1	11
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1	0.35	Q2	1
BEVERAGES	1	0.35	N/A	0
BIOCATALYSIS AND BIOTRANSFORMATION	1	0.35	Q3	1
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1	0.35	Q2	1
BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION	1	0.35	Q4	3
BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS	1	0.35	Q1	9
BIOMACROMOLECULES	1	0.35	Q1	6
BIOMOLECULAR NMR ASSIGNMENTS	1	0.35	Q4	3
BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS	1	0.35	Q2	4
BIOORGANIC CHEMISTRY	1	0.35	Q1	2
BRAIN INJURY	1	0.35	Q2	0
CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE	1	0.35	Q3	1
CATALYSTS	1	0.35	Q2	2
CELL DEATH AND DISEASE	1	0.35	Q1	39
CHEMISTRY-A EUROPEAN JOURNAL	1	0.35	Q1	1
CHEMISTRYSELECT	1	0.35	Q3	1
CHEMNANOMAT	1	0.35	Q2	5
CHEMPHYSICHEM	1	0.35	Q2	4
CHEMPLUSCHEM	1	0.35	Q2	0
CLINICAL CANCER RESEARCH	1	0.35	Q1	6
COMMENTS ON INORGANIC CHEMISTRY	1	0.35	Q1	4
ELECTROANALYSIS	1	0.35	Q2	5
ENERGY AND ENVIRONMENTAL SCIENCE	1	0.35	Q1	75
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	1	0.35	Q1	2
FEBS LETTERS	1	0.35	Q2	25

FEBS OPEN BIO	1	0.35	Q4	7
FOOD RESEARCH INTERNATIONAL	1	0.35	Q1	6
FRONTIERS IN ENERGY RESEARCH	1	0.35	N/A	2
FRONTIERS IN MICROBIOLOGY	1	0.35	Q1	1
FRONTIERS IN PHARMACOLOGY	1	0.35	Q1	3
FRONTIERS OF PHYSICS	1	0.35	Q2	2
GENES	1	0.35	Q2	2
INORGANIC CHEMISTRY	1	0.35	Q1	16
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1	0.35	Q1	8
JOULE	1	0.35	N/A	43
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	1	0.35	Q1	25
JOURNAL OF BERRY RESEARCH	1	0.35	Q2	7
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS	1	0.35	Q2	3
JOURNAL OF BIOTECHNOLOGY	1	0.35	Q2	1
JOURNAL OF CATALYSIS	1	0.35	Q1	4
JOURNAL OF CHEMICAL EDUCATION	1	0.35	Q2	24
JOURNAL OF CO2 UTILIZATION	1	0.35	Q1	16
JOURNAL OF FLUORESCENCE	1	0.35	Q3	0
JOURNAL OF FOOD BIOCHEMISTRY	1	0.35	Q3	6
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY (MYSORE)	1	0.35	Q2	3
JOURNAL OF HEAD TRAUMA REHABILITATION	1	0.35	Q1	0
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	1	0.35	Q1	22
JOURNAL OF LIQUID CHROMATOGRAPHY AND RELATED TECHNOLOGIES	1	0.35	Q4	7
JOURNAL OF MOLECULAR LIQUIDS	1	0.35	Q1	2
JOURNAL OF ORGANOMETALLIC CHEMISTRY	1	0.35	Q3	0
JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS	1	0.35	Q1	1
JOURNAL OF PHYSICAL CHEMISTRY A	1	0.35	Q2	1
JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY	1	0.35	Q2	4
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS	1	0.35	Q1	14
JOURNAL OF THE ROYAL SOCIETY INTERFACE	1	0.35	Q1	10
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	1	0.35	Q1	41
JOVE-JOURNAL OF VISUALIZED EXPERIMENTS	1	0.35	Q3	4
LANGMUIR	1	0.35	Q2	13
LIPIDS	1	0.35	Q3	2
MATERIALS FOR RENEWABLE AND SUSTAINABLE ENERGY	1	0.35	N/A	16
MATERIALS LETTERS	1	0.35	Q2	2
MICROFLUIDICS AND NANOFUIDICS	1	0.35	Q2	9
MOLECULES	1	0.35	Q2	5
NANO LETTERS	1	0.35	Q1	40

NANOMEDICINE	1	0.35	Q1	1
NANOSCALE ADVANCES	1	0.35	N/A	1
NANOSCALE RESEARCH LETTERS	1	0.35	Q2	13
NANOTECHNOLOGY	1	0.35	Q1	3
NATURAL PRODUCT COMMUNICATIONS	1	0.35	Q4	0
NATURE CHEMICAL BIOLOGY	1	0.35	Q1	51
NATURE ENERGY	1	0.35	Q1	47
PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY	1	0.35	Q1	5
PHARMACEUTICAL RESEARCH	1	0.35	Q1	1
PLOS ONE	1	0.35	Q2	0
POULTRY SCIENCE	1	0.35	Q1	1
PROTEIN EXPRESSION AND PURIFICATION	1	0.35	Q4	8
PROTEOME SCIENCE	1	0.35	Q4	3
ROYAL SOCIETY OPEN SCIENCE	1	0.35	Q2	0
SCIENCE CHINA-CHEMISTRY	1	0.35	Q1	4
SMALL METHODS	1	0.35	N/A	20
STARCH-STARKE	1	0.35	Q2	1
SYNTHESIS (STUTT GART)	1	0.35	Q2	0
TETRAHEDRON LETTERS	1	0.35	Q2	15
THEORETICAL CHEMISTRY ACCOUNTS	1	0.35	Q4	4
THERANOSTICS	1	0.35	Q1	30
TRIBOLOGY INTERNATIONAL	1	0.35	Q1	17
TRIBOLOGY LETTERS	1	0.35	Q2	15

Compiled by

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July 30, 2020