Table of Contents

**INTRODUCTION** 3
  Director’s Welcome 3
  About Synapse 4

**PEOPLE** 5
  Top Authors 5
  New Authors 6
  Groups 14

**PUBLICATIONS** 16
  Top Synapse Journals 16
  Top Meeting Abstracts 17
  Top Journals by Subject Category 18

**WORKS** 19
  Top-Scoring Papers via Altmetric 19
  Highly-Cited Papers 20
  Research Collaborations 21
  Research Collaborations:
    International 22
  Research Collaborations:
    United States 23

**BIBLIOGRAPHY OF WORKS** 24
  Journal Articles (2,399) 25
  Reviews (608) 205
  Research Letters (82) 239
  Editorials (356) 246
  Guidelines (111) 263
  Correspondence (116) 275
  Miscellaneous (60) 282
  Conference Papers (27) 287
  Meeting Abstracts (2,196) 290
  Book Sections (35) 447
  Whole Books (2) 450

**CONTACT US** 452
Introduction

I am delighted to announce that this is our seventh year producing our Synapse Publications Report. This online resource is a testament to the dedication of our authors in conducting and sharing research findings that advance knowledge within the scientific and healthcare communities. I hope that readers will appreciate reviewing the research and clinical works published in 2022, and the commitment required to curate the intellectual output of MSK staff.

As of July 2023, Synapse contained over 104,200 records [references/works] dating back to 1985, embodying 19,040 author profiles (current and former employees). Synapse is public-facing and the authoritative MSK bibliographic database developed and maintained by a skilled team of information professionals led by Jeanine McSweeney, Associate Librarian, Scholarly Communications. Each month, recent or retrospective citation data is curated, vetted, and ingested into the database, highlighting the research contributions to an ever-growing body of scientific knowledge.

Report sections include an alphabetical list of new authors showing a 6% increase from the data we evaluated in 2021, eight new Synapse groups added to the database showcasing the publication output of specific departments, citation counts from researchers citing MSK-affiliated works, and the top research collaborations, both domestic and international, to name a few.

Welcome to the 2022 Synapse Publications Report! Don’t hesitate to reach out and let us know what you think.

Donna Gibson
Director, Library Services
Introduction

To populate Synapse, the following commercial databases are searched for publications with an affiliation of “Memorial Sloan Kettering Cancer Center” and other name variations:

- Scopus® – science, technology, medicine, social science, and arts & humanities
- Web of Science™ – biochemistry, biology, biotechnology, chemistry, medicine, neuroscience, oncology, pediatrics, pharmacology, psychiatry, & surgery
- BIOSIS Citation Index™ – biochemistry, bioengineering, biology, biotechnology, life sciences, sciences, medicine, psychology, & life science
- CINAHL® – nursing and allied health
- APA PsycINFO® – psychology & related disciplines

Librarians then manually vet each record to eliminate duplicates, verify citation details, add identifiers (DOI, PMID, PMCID), standardize metadata, and identify the appropriate MSK authors. New content is added monthly, excluding in-press, epub, and online before print articles. Retrospective content dating back to 1884 is scheduled for inclusion. As of May 26, 2023, Synapse contains content dating back to 1985.

About Synapse

Synapse is a collection of author profiles providing access to publications that are the result of research conducted at Memorial Sloan Kettering Cancer Center. The MSK Library developed Synapse in order to increase the visibility of and promote the work and collaboration of MSK researchers, clinicians, nurses, and healthcare professionals, ensuring that their publications are discoverable.

2022 WORKS (5,992)

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</table>

1,936 (81%) of 2022 journal articles in Synapse are NIH funded*

*As of June 19, 2023. Only peer-reviewed articles are required to cite NIH funding. In Synapse, “journal articles” may include some non-peer-reviewed papers.
Top Authors

Here we highlight the 10 most prolific authors of 2022, based on a count of all of their works in Synapse, including research articles, editorials, reviews, guidelines, and meeting abstracts. These works also represent their collaborations with other researchers and investigators both within and outside the Institution.

Miguel-Angel Perales, MD
Bone Marrow Transplant Specialist & Cellular Therapist; Chief, Adult Bone Marrow Transplant Service
95

Alexander Drilon, MD
Thoracic Oncologist & Early Drug Development Specialist; Chief, Early Drug Development Service
85

Saad Z. Usmani, MD, MBA, FACP
Myeloma Specialist & Cellular Therapist; Chief, Myeloma Service
82

Sergio A. Giralt, MD
Bone Marrow Transplant Specialist & Cellular Therapist; Deputy Division Head, Division of Hematologic Malignancies; Melvin Berlin Family Chair in Multiple Myeloma; Chief Medical Officer, MSK Direct
77

Marc Ladanyi, MD
Pathologist, Chief, Molecular Diagnostics Service; William J. Ruane Chair in Molecular Oncology
72

Gilles Salles, MD, PhD
Lymphoma Specialist & Cellular Therapist; Chief, Lymphoma Service, Steven A. Greenberg Chair
69

Nadeem R. Abu-Rustum, MD, FACOG, FACS
Gynecologic Surgeon; Chief, Gynecology Service; Avon Chair in Gynecologic Oncology Research; Founder’s Chair
68

Mithat Gönen, PhD
Chief, Biostatistics Service
66

Robert J. Motzer, MD
Genitourinary Oncologist; Section Head, Kidney Cancer, Genitourinary Oncology Service; Jack and Dorothy Byrne Chair in Clinical Oncology
64

Britta Weigelt, PhD
Research Scientist; Director, Gynecology DMT Research Laboratory
62
New Authors

As new works are added to Synapse, the Synapse team consults the original published documents to find out which authors list MSK as an affiliation.

We then use resources provided by Human Resources to identify which employees match each of the named authors. When a match is confirmed, we “verify” the author on the work so that it becomes linked to the author’s profile page. New authors may be discovered at this point, and if so, profile pages are created and the author is notified by email.

In 2022, Synapse profiles were created for the following MSK employees (612):

- Abajian, Aaron
  - Christopher
  - Graduate Staff
- Abate, Miseker
  - Eshetu
  - SKI Surgery
- Abou Mrad, Zaki
  - Salam
  - SKI Neurosurgery
- Abuhadra, Nour
  - Medicine
- Acuna, Adrian
  - Human Oncology and Pathogenesis Program
- Adams, Catherine
  - Radiation Oncology
- Agridag Ucpinar, Burcin
  - Graduate Staff
- Afonlalu, Adedeji
  - Ayobola
  - Research Facilities
- Anderson-Dunkley, Latasha
  - Ld - Advanced Practice Providers
- Antoine, Ariel
  - Medicine
- Archuadze, Giorgi
  - Medical Physics
- Arfe, Andrea
  - Biostatistics & Epidemiology
- Aricescu, Ilinca
  - Stefania
  - Graduate School Administration
- Armstrong, Misha
  - Tori
  - SKI Surgery
- Artschwager, Raik
  - SKI Radiology
- Arya, Ankur
  - Information Systems
- Aumenta, Tara A.
  - Ld - Advanced Practice Providers
- Babar, Afia Maria
  - Medicine
- Balderes, Paul J.
  - General & Administration
- Balogun, Fiyinfolu
  - Oladele
  - Medicine
- Bapat, Samhita
  - Molecular Pharmacology Program
- Barreto, Raquel
  - Ld - Advanced Practice Providers
- Beauvais, Jacques
  - Christian
  - Medicine
- Beech, Benjamin
  - Buckler
  - Graduate Staff
- Begum, Anika
  - Collaborative Research Centers - PIC Directed
- Behrens, Mia Rose
  - SKI Psychiatry/Counseling
- Bell, Tajah
  - SKI Surgery
- Bengtsen, Erik H
  - Psychiatric Service
- Benson, Gabrielle A.
  - Ld - Advanced Practice Providers
- Bernstein, Ashley
  - Vorhoff
  - Nursing
- Bhimi, Jenna
  - SKI Epidemiology/Biostatistics
- Bhuiya, Marufur
  - Information Systems
- Bierman, David Allen
  - Medical Physics
- Boardman, Alexander Paul
  - Graduate Staff
- Boehm, Kevin
  - Michael
  - Graduate Staff
- Boiocchi, Leonardo
  - Pathology
- Bolos, Mary Rose
  - Medicine
- Bona, Beata
  - Csatari
  - Westchester
- Bondar, Ellen
  - Westchester
- Bonenfant, Kelly A.
  - Nursing
- Borge, Prabhakar
  - Dayanand
  - Laboratory Medicine
- Borzain, Nancy M
  - Nursing
- Bou Nassif, Rabih
  - SKI Neurosurgery
People: New Authors

Bourcier, Jessie
Molecular Pharmacology Program

Boxer, Jessica A.
Radiology

Brady, Owen John
Information Systems

Braverman, Sara Hanna
SKI Radiation Oncology

Brens, Jessica Marie
Ld - Advanced Practice Providers

Briody, Pauline Ann
Radiation Oncology

Bro, Kathryn Christine
Infection Control

Brudeur, Melica
SKI Pathology

Bronder, Daniel Konrad
Human Oncology and Pathogenesis Program

Brown Rave, Stav
SKI Surgery

Budhu, Joshua Amit
Neurology

Burgas, Kim
Strategy and Innovation

Burke, Chelsey Marie
Graduate Staff

Cadley, John
Information Systems

Cadwell, Malik K.
Medicine

Camille, Philip
Research and Technology Management

Campbell, Adana-Christine
SKI Surgery

Campbell, Nedrick
Nursing

Cao, William
Main Campus Outpatient Services

Capadona, Charisse
Medicine

Caramore, Amy
Nursing

Carotenuto, Kristin M.
Pharmacy

Carpio, Andrea
Medicine

Carrasco, Sebastian Eduardo
Research Facilities

Carrero, Stephanie
Collaborative Research Centers - PIC Directed

Carroll, Erin Marie
Surgery

Carrot-Zhang, Jian
Biostatistics & Epidemiology

Casaw Irias, Camila
SKI Integrative Medicine

Casper, Ellie Rachel
Medicine

Castaneda, Juan Camilo
Graduate Studies

Castro, Francesca
SKI Medicine

Chan, Eric
Research Facilities

Chan, Wai Soon
Graduate Staff

Chang, Kathryn
Molecular Pharmacology Program

Chang, Lin-Chun
Medicine

Chang, Winston Yun-Han
Graduate Studies

Chatterjee, Avijit
Information Systems

Chatterjee, Subrata
Information Systems

Chaves Perez, Almudena
Cancer Biology and Genetics

Chekalii, Sara
Research Facilities

Chen, Pin-Jung
Graduate Staff

Chen, Xuizhen
Cancer Biology and Genetics

Chen, Yan-Ting
Graduate School Administration

Chernyak, Victoria
Radiology

Chichester, Lou-Anne Ronke
SKI Psychiatry/Counseling

Cho, Grace
Nursing

Christophers, Briana
Graduate Studies

Chu, Cynthia
Information Systems

Chu, Ti Yen
Computational and Systems Biology Program

Chun, Su S.
Medicine

Ciervo, Jenna Rose
Pharmacy

Clarke, Nikeysha
Medicine

Claussin, Clemence
Molecular Biology

Cobbs, Cassidy Corinne
Collaborative Research Centers - PIC Directed

Cohen, Lia Louise
Ld - Advanced Practice Providers

Colon Cartagena, Lorraine
Graduate Staff

Conry, Michael T.
SKI Medicine

Correa, Arianna
Medicine

Cote, Nicolas
David H. Koch Center

Court, Sarah N.
Research and Technology Management

Cowzer, Darren
Graduate Staff

Cruz Esteves, Nelly Marie
Cancer Biology and Genetics

Cruz Sitner, Nancy
Ld - Advanced Practice Providers

Cui, Songye
SKI Medical Physics

Cytryn, Samuel
Graduate Staff

Dandiker, Sita
Medicine

Datta, Ambika Devi
Medicine

Dauscher, Megan
Ld - Advanced Practice Providers

Dave, Asim
Immunology

Davidoff, Chanel I
Graduate Staff

De Camilli, Alessandro R.
Anesthesiology

Del Latto, Michael Joseph
SKI Radiation Oncology

Delaney, Samantha
SKI Radiology

Della Rocca, David Anthony
Surgery

DePass, Courtney
Research and Technology Management

Dermawan, Josephine Kam Tai
SKI Pathology

Devolder, Bryan
Research and Technology Management

Dhaneshwar, Amanda
Collaborative Research Centers - PIC Directed
People: New Authors

Dhar, Prima
Research and Technology Management

Diarte, Jose
Neurology

Digiacomo, Emma Rose
Ld - Advanced Practice Providers

DiNapoli, Sara
Pathology

Diop, Mame Penda
Immunology

Dodds Rojas, Ricardo
Information Systems

Doe-Tetteh, Seyram Adwoa
Research and Technology Management

Dominguez, Yuliana
Research and Technology Management

Doshi, Sahil Deepak
Graduate Staff

Drew, Ann P.
Nursing

Eagan, Alana
SKI Surgery

Eibler, Laura
SKI Radiology

Eichholz, Jordan Elliott
Collaborative Research Centers - PIC Directed

El Iskandarani, Sarah
SKI Integrative Medicine

Ellis, Ryan Joseph
Graduate Staff

Etxeberria, Inaki
Human Oncology and Pathogenesis Program

Evans, Patrick
Surgery

Farzana, Tasmin
Medicine

Fei, Teng
Biostatistics & Epidemiology

Feld, Emily
Medicine

Feuer, Elise N
Laboratory Medicine

Fickera, Gina Ashleigh
Research Service Centers

Figueiredo Longhini, Ana Leda
Research Facilities

Firestein, Helaine
Neurology

Fisher, Logan Michael
Graduate Studies

Fishinevich, Yeva
SKI Pathology

Fishkin, Raina Jenny
SKI Pediatrics

Fitzgerald, Kelly
Graduate Staff

Fleischman, Jessica Marie
Medicine

Floresio, Peter
Monmouth

Florio, Peter
Medicine

Foromera, Joshua
Graduate Staff

Foulsham, William
Graduate Staff

Fox, Nina E.
Molecular Pharmacology Program

Frederico, Victoria A.
Psychiatry Service

Friedman, Adie
Radiology

Frost, Joe Neal
Immunology

Fu, Anqi
Medical Physics

Fukas, Natalie
Information Systems

Funkhouser, Sharon
Nursing

Ga, Elizabeth Miller
Westchester

Ganbold, Mungunsarnai
Cancer Biology and Genetics

Ganjou, Aditya
Molecular Pharmacology Program

Garcia, Christine Bernadette Beltran
Medicine

Gerke, Travis
PCCTC Operations

Giboyeaux, Karla Marie
Food and Nutrition Services

Gibson, Jamie L.
David H. Koch Center

Giuliano, Rosemary
Ld - Advanced Practice Providers

Glavan, Stephanie Marisa
Ld - Advanced Practice Providers

Gonzalez, Ricardo Jose
Research Facilities

Gonullu-Rotman, Damla Celen
Graduate Staff

Gossman, Zachary Charles
Food and Nutrition Services

Granieri, Jaime
Nursing

Greene, Jane S.
Medicine

Han, Gyuri
Nursing

Han, Katherine Ying
Medicine

Han, Michelle
Ld - Advanced Practice Providers

Hanley, Danielle Marie
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Harr, Andrew
Pediatrics

Harrold, Emily Catherine
Graduate Staff

Havasov, Eliyahu
SKI Epidemiology/Biostatistics

Hazoglou, Michael
Graduate Staff

Heiselman, Jon Stanley
SKI Surgery

Henry, Mike
Computational and Systems Biology Program

Herbst, John
Graduate Staff

Hernandez, Christian Robert
SKI Surgery

Herskovits, Adrianna Zara
Laboratory Medicine

Hickman, Richard Andrew
SKI Neurology

Hinterleitner, Clemens
Cancer Biology and Genetics

Hoang, Tran Tu
Graduate Studies

Hoffman, Megan M.
Nursing

Hopland, Kelsey L.
Graduate Studies
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People: New Authors

Li, Shanita
Pediatrics

Li, Xiaotong
SKI Integrative Medicine

Li, Zhuxuan
Graduate Studies

Liang, Huan-Chang
Human Oncology and Pathogenesis Program

Lieber, Donald
Charles
Nursing

Light, Joseph
Samuel
Nursing

Limberg, Jessica
Graduate Staff

Lin, Eric
Medical Physics

Lin, Haibo
Medical Physics

Lin, Sabrina
Biostatistics & Epidemiology

Lin, Ya-Hui
Human Oncology and Pathogenesis Program

Lin, Yuan
Developmental Biology

Lindberg, Chloe
Computational and Systems Biology Program

Liotta, Kelly
Elisabeth
Nursing

Liu, Chenge
Graduate Studies

Liu, Chrissy
Graduate Staff

Llamozas, Jessica
Nursing

Lobato Cortesao
Nobre, Ana Rita
Human Oncology and Pathogenesis Program

Loschiavo, Morgan
Joy
SKI Psychiatry/Counseling

Lu, Calvin
Collaborative Research Centers - PIC Directed

Lucido, Gloriana
Nursing

Lue, Jennifer
Kimberly
Medicine

Lui, Michelle
SKI Psychiatry/Counseling

Luo, Alice
Psychiatry Service

Lupo, Kyle
Byrnes
Human Oncology and Pathogenesis Program

Lyudovyk, Olga
Graduate Studies

Ma, Karen
Medicine

Major-Monfried, Hannah
Graduate Staff

Mallack, Eric
Pediatrics

Manino, Nicole I.
Research and Technology Management

Marasco, Michelangelo
Molecular Pharmacology Program

Marathe, Priya
Hematon
Graduate Staff

Marino, Joseph
Medical Physics

Martinez Benitez, Anthony R.
Human Oncology and Pathogenesis Program

Martino, Lauren
Elizabeth
Pediatrics

Maryamchik, Elena
Laboratory Medicine

Mazzella, Dana
Frances
Nursing

McEachen, Maryeliza
Nursing

McCarter, Melissa J.
Research and Technology Management

McClain, Brittany
Patricia
David H. Koch Center

McClure, Tara A.
Infection Control

McComas, Ryan
Ray
Information Systems

McFarlane, Dianne
Nursing

McGary, Lisa
Graduate School Administration

McGrath, Justin
Matthew
Epic Implementation

McGriff, Devon
Medicine

Mckinley, Sophia
K
Graduate Staff

McLoughlin, Carina
Ann
David H. Koch Center

Mcmillan, Matthew
Tate
Graduate Staff

McWilliams, Emily
Pediatrics

Mebus, Paige
Elizabeth
Radiology

Medina Cano, Daniel
Research and Development
Medicine

Mediratta, Sophia
Anne
Main Campus
Outpatient Services

Mehine, Miika
SKI Pathology

Mendez, Carmen
D.
Nursing

Mendoza, Humberto
Gerardo
Graduate Staff

Meneses, Maximiliano
Research Facilities

Meng, Alicia
Radiology

Menon, Anu
Graduate Staff

Merrill, Madeline
B.
Infection Control

Meyer, Sebastian
SK Medical Physics

Miao, Emily A.
Graduate Staff

Michel, Alexa
L.
SKI Radiology

Mika, Lauren
Chiarello
Medicine

Min, Soe Su
SKI Pathology

Mirtcheva Trocheva,
Rosna Marinova
Radiology

Misawa, Kyohei
SKI Surgery

Mitchell, Barbara
Research Facilities

Mitchell, Barbara
Psychosocial Support

Mitchell, Ryan
Catherine
Nursing

Mokashi, Anup
Chandran
Operational Excellence

Moran, Lesly
Marcus
Bergen

Moreira Franco
Parisotto, Yoland
Edwirges
Human Oncology and Pathogenesis Program

Morel, Victor
Molecular Pharmacology Program

Munayirji, Brittney
G.
Medicine

Murray Herrera,
Victor
Manuel
SKI Medical Physics

Mustafa, Mery
Infection Control

Myers, Michelle
Food and Nutrition Services
People: New Authors

Nahass, Thomas
Anesthesiology

Andrew

Naizir, Brianna
Graduate School Administration

Nam, Kihong
Cell Biology

Nambiar, Puja H.
Medicine

Nath, Karthik
Medicine

Nath, Sandy Simcha
Medicine

Navarrete, Daniel
Human Oncology and Pathogenesis Program

Nemirovsky, David
Biostatistics & Epidemiology

Neugroschi, Atara
Graduate Studies

Newell, Kerry-ann
David H. Koch Center

Newman, Tiffany
Strategy and Innovation

Newton, Terrence J.
Information Systems

Ng, Angela Wing-Sum
David H. Koch Center

Nguyen, Linh
Nursing

Nishimura, Noriko
SKI Medicine

Nocco, Sarah
Graduate Staff

Norflett, Keisha A
Laboratory Medicine

Norman, Thomas
Maxwell
Computational and Systems Biology Program

Noronha, Anne Marie
Collaborative Research Centers - PIC Directed

Norton-Westbrook, Moe
Ld - Advanced Practice Providers

Notti, Ryan Quin
Graduate Staff

Novak, Bryan
Christopher
Medicine

Nweji, Barbara
Research and Technology Management

Nyakatura, Elisabeth
General & Administration

O'Dell, Melissa Frick
Patient Access

Okada, Azusa
Medicine

Oliver, Elizabeth J
Nursing

Omer, Dana
Mohamed Rashid
SKI Surgery

Ondrejkovic, Kateryna
Pathology

Ordureau, Alban
Simon Georges
Cell Biology

O'Shaughnessy, Sarah Elizabeth
MSK AT 53rd Street

O'Shea, Sirinya
Research Service Centers

O'Sullivan, Kelly
Catherine
Ld - Advanced Practice Providers

Ovadia, Hannah
Sarah
SKI Psychiatry/ Counseling

Ozakman, Yaprap
Immunology

Ozcan, Kerem
SKI Pathology

Paisley, Kathleen
Mary
Ld - Advanced Practice Providers

Palazzolo, Kelly B
Nursing

Palillo, Michael
Beniamo
Research Facilities

Pan, Heng
Research Facilities

Panagiotakopoulos, Magdalini
Molecular Pharmacology Program

Paras, Katrina
Graduate Studies

Paredes Sanchez, Jenny Elizabeth
Immunology

Parikh, Karishma
Mukesh
Pediatrics

Park, Jinsung
Human Oncology and Pathogenesis Program

Park, Tricia
SKI Epidemiology/Biostatistics

Pascullo, Amy Elizabeth
Neurology

Pasha, Arfath
Collaborative Research Centers - PIC Directed

Pimienta, Robert
Information Systems

Plate, Laura
Epic Implementation

Platt, Samantha
Graduate Staff

Poulton, Richard
Thorson
SKI Surgery

Poveromo, Luke Paul
Graduate Staff

Praiss, Aaron M
Graduate Staff

Prendergast, Katherine
SKI Surgery

Pulido Sanchez, Ivan
Computational and Systems Biology Program

Punn, Sippy
Nursing

Puzzuoli, Jessica Christina
SKI Radiology

Qu, Rui
Research Facilities

Quach, Sean Kien
Medicine

Quianio, Annaliza A
Laboratory Medicine

Raab, Gabriel
Graduate Staff

Raber, Vladislav
Medicine

Rahman, Jahan A
SKI Epidemiology/Biostatistics

Ramirez, Lizbeth
Medicine

Ramjan, Sameera
Afzaa
Molecular Pharmacology Program

Randall, Ewelina Anna
Information Systems

Rangavajhala, Surya
Narayana
Information Systems
People: New Authors

Rangesa, Madhumitha
SKI Medicine

Rao, Danielle
Nedwetzky
Medicine

Rao, Devika
Medicine

Rao, Nisha
Medicine

Raoof, Sana
Graduate Staff

Rausen, Michelle
Anesthesiology

Ravichandran, Damodaran, Jayaram
Developmental Biology

Redelman-Sidi, Yael
Epic Implementation

Reidy, Maureen
Elizabeth
Ld - Advanced Practice Providers

Reingold, Rachel
Graduate Staff

Reyes, Joseph
Bernard
Ld - Advanced Practice Providers

Reyes, Michell
Infection Control

Reynolds, Margaret
Houston
Research and Technology Management

Ritter, Amanda
Carlson
Research Facilities

Rizzi, Stephanie
Infection Control

Robbins, Melissa
ASHLEY
SKI Surgery

Roberts, Karen Anne
Hospital Administration

Rochlin, Danielle
Helena
Graduate Staff

Rodich, Lillian
Ld - Advanced Practice Providers

Rodriguez, Cindy
SKI Radiology

Rodriguez, Scarlett
SKI Pediatrics

Rodriguez-Hernandez, Alexandra Esther
Graduate Staff

Rogers, Melissa
Margaret
Ld - Advanced Practice Providers

Rolston, Vineet
SYAN
Medicine

Rose, Doori
Information Systems

Rose, Samuel Adam
Computational and Systems Biology Program

Rosemore, Carly
Graduate Staff

Rosiek, Eric
Research Facilities

Russo, Marco
Vincenzo
Research Facilities

Sacco, Olivia
Molecular Biology

Saintine, Deborah N
Laboratory Medicine

Salafia, Caroline
SKI Psychiatry/Counseling

Salehi, Sohrab
SKI Epidemiology/Biostatistics

Samson, Cheyenne
Radiology

Santa Maria, Nicole
Neurology

Sapuru, Vinay Kumar
Graduate Studies

Sardinha Grilo, Andre Manuel
Immunology

Sarfati, David Justin
Psychosocial Support

Schach, Eliana M.
Graduate Staff

Schachter, Janice L
Information Systems

Schild, Tanya
SKI Radiology

Schmeltz, Joseph
Dov
Information Systems

Schoenfeld, Joshua
David
Graduate Staff

Schuessler, Victoria J.
Information Systems

Schurman, Matthew L.
Pediatrics

Sfreddo, Hannah
Jean
Graduate Staff

Sgro, Erica Pascale
Ld - Advanced Practice Providers

Shadat, Tamim
Medicine

Shah, Hina
Graduate Studies

Shah, Pooja
Research and Technology Management

Shahid, Zainab
Medicine

Shah, Pooja
Research and Technology Management

Shah, Rana
Research and Technology Management

Schild, Tanya
SKI Radiology

Schmeltz, Joseph
Dov
Information Systems

Schoenfeld, Joshua
David
Graduate Staff

Schuessler, Victoria J.
Information Systems

Schurman, Matthew L.
Pediatrics

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Jean
Graduate Staff

Sgro, Erica Pascale
Ld - Advanced Practice Providers

Shadat, Tamim
Medicine

Shah, Hina
Graduate Studies

Shahid, Zainab
Medicine

Shah, Rana
Research and Technology Management

Shamaila, Sana
Research Facilities

Sidde, Kunzah Aleem
Graduate Staff

Siddiq, Syed Saad
Medical Physics

Sidharta, Mega
Research Facilities

Simhal, Anish Kumar
SKI Medical Physics

Singhal, Anupriya
Graduate Staff

Socolow, Fiona
Elizabeth
Medicine

Sotto, Katja B.
SKI Pediatrics

Srivasatava, Amitabh
Pathology

Stacey, Benjamin
Radiology

St-Cyr, Karen Ann
MSK AT 53rd Street

Stern, Amy F.
SKI Psychiatry/Counseling

Stern, Carrie
Surgery

Striepen, Josephine
Ursel
Graduate Studies

Sui, Jane Sze Yin
Graduate Staff

Sun, Simon
Radiology

Sun, Siyu
SKI Epidemiology/Biostatistics

Sun, Xiaohui
SKI Epidemiology/Biostatistics

Sun, Xiaotian
Pathology

Takada, Kenichiro
Computational and Systems Biology Program

Tang, Cerise
Graduate Studies

Tang, Xinran
Graduate Studies

Tao, Jacqueline
Medicine

Tao, Jing
Anesthesiology

Tayyebi, Zakieh
Graduate Studies

Tazi, Yanis
Graduate Studies

Tendler, Salomon
SKI Radiology

Teri, Nicholas A
Human Oncology and Pathogenesis Program

Thomas, Carlos
Andrew
SKI Surgery

Sun, Siyu
SKI Epidemiology/Biostatistics

Sun, Xiaohui
SKI Epidemiology/Biostatistics

Sun, Xiaotian
Pathology

Takada, Kenichiro
Computational and Systems Biology Program

Tang, Cerise
Graduate Studies

Tang, Xinran
Graduate Studies

Tao, Jacqueline
Medicine

Tao, Jing
Anesthesiology

Tayyebi, Zakieh
Graduate Studies

Tazi, Yanis
Graduate Studies

Tendler, Salomon
SKI Radiology

Teri, Nicholas A
Human Oncology and Pathogenesis Program

Thomas, Carlos
Andrew
SKI Surgery
People: New Authors

Tittley, Steven
Molecular Pharmacology Program

Tiutan, Timothy
Medicine

Tonda, Josana
Psychiatry Service

Torborg, Stefan
Graduate Studies

Tosi, Umberto
Neurosurgery

Touijer, Adam Sharif
SKI Surgery

Tran, Linh
Nursing

Tran, Thinh Ngoc
Graduate School Administration

Traore, Kadiatou
Graduate Staff

Trotman, Trevin A
Radiation Oncology

Tsamouri, Lydia
Paraskevi
Graduate Studies

Tsui, Van
Physician in Chief

Turner, Briana
Simone
Graduate Studies

Umeda, Shigeaki
SKI Pathology

Underwood, Whitney Paige
Medicine

Uppal, Manik Dutt
Graduate Staff

Urban, Katherine
David H. Koch Center

Usmani, Saad Zafar
Medicine

Van Elden, Leontine
Julie Rose
Medicine

Vauthn, Brett
SKI Radiology

Velzen, Jeena Lee
Operational Excellence

Vidal, Esther
SKI Pediatrics

Vietri, Scott M
Radiology

Vos, Joris Lammert
SKI Surgery

Vuong, Cindy
Neurosurgery

Wagner, Michael
Medicine

Walji, Moneeza
Medicine

Wang, Qi
SKI Surgery

Wang, Xinyi
SKI Pediatrics

Wang, Yuanqing
Graduate Studies

Warlaw, Christopher
Molecular Biology

Waters, Michele
SKI Epidemiology/Biostatistics

Waters, Nicholas R.
Immunology

Weiner, Adam
Graduate Studies

Weiss, Hallie
Anesthesiology

Weistuch, Corey
SKI Medical Physics

Wereski, Matthew
Gregory
Human Oncology and Pathogenesis Program

White, Charlie
Biostatistics & Epidemiology

White, Jessica
Graduate Studies

Williams, Odessa
Ld - Advanced Practice Providers

Williams, Vonetta
Michelle
Radiation Oncology

Winer, Benjamin Y.
Immunology

Winkleman, Dov P
Research Facilities

Wong, Cynthia
Food and Nutrition Services

Wongchai, Venissala
Neurology

Woodlock, David
Patrick
Radiology

Wylie, David
Medicine

Wysocki, Mateusz
Jan
Research and Technology Management

Yan, Jielin
Graduate School Administration

Yan, Juan
Human Oncology and Pathogenesis Program

Yeoshoua, Effi
Graduate Staff

Yi, Sang Ah
Chemical Biology Program

Yip, Wesley
Graduate Staff

Yu, Jeanne
Pediactrics

Zerillo, Jeron Dove
Anesthesiology

Zhang, Fang
Graduate Studies

Zhang, Haochen
Graduate School Administration

Zhang, Honglei
Radiology

Zhang, Jing
Immunology

Zhao, Karena
Graduate Staff

Zhao, Ken
Radiology

Zhao, Wei
SKI Medical Physics

Zhou, Wei
Operational Excellence

Zibara, Victor
Graduate Staff

Zirakchian Zadeh, Mahdi
SKI Radiology

Zwicker, Jeffrey
Medicine
People

Groups

The “Groups” in Synapse represent the intellectual output of a division, department, or collaborative team. Works (publications) of selected author profiles are associated together to form a unique collection, providing a single view of their research. Groups can be further divided into “sub-groups” to collect the works of any services or divisions within the main group.

Administrators, authors, or those involved with scholarly activities can use a group view to:

- Track and share their customized group of authors and publications with others
- Monitor various bibliometrics attributed to their group’s works
- Promote the work of their department by embedding a unique URL within a webpage or email auto-signature
- Easily sort publications by year, format, journal title, or author
- Create publications lists that can be used for grant and funding reports
- Update their authors’ curricula vitae, and other online profile services such as ORCID or My NCBI

Groups, listed with sub-groups (* indicates new groups created after 2021 report):

- **Advanced Practice Providers**
- **Alan and Sandra Gerry Metastasis and Tumor Ecosystems Center**
- **Anesthesiology and Critical Care Medicine**
  - Anesthesiology Service
  - Critical Care Medicine
- **Basic Research Innovation Award (BRIA)**
- **Center for Hematologic Malignancies**
  - Adult Leukemia
  - Bone Marrow Transplant
  - Executive Committee
  - Hematologic Malignancies Research
  - Hematology
  - Lymphoma
  - Myeloma
  - Pediatric Leukemia
- **Center for Pancreatic Cancer Research**
- **Colorectal Surgery**
- **Critical Care Center**
  - Advanced Practice Providers Leadership
  - Critical Care Center Leadership
  - Respiratory Leadership
- **Dermatology Service**
- **DigiITs Research Group**
- **Division of Subspecialty Medicine**
  - Cardiology
  - Dermatology
  - Endocrinology
  - Gastroenterology
  - Hepatology and Nutrition
  - Geriatrics
  - Infectious Disease
  - Integrative Medicine
  - Pulmonary
  - Renal
- **Epidemiology and Biostatistics**
  - Biostatistics Service
  - Computational Oncology Service
  - Epidemiology Service
  - Health Outcomes Research Group
  - *Principal Biostatisticians
- **General Medicine Services**
  - General Internal Medicine
  - Hospital Medicine
  - Urgent Care
- **Gerstner Sloan Kettering Graduate School of Biomedical Sciences**
- **Graduate Medical Education**
  - Anesthesiology & Critical Care Medicine
  - Laboratory Medicine
  - Medical Physics
  - Medicine
  - Neurology
  - Neurosurgery
  - Pathology
  - Pediatrics
  - Psychiatry & Behavioral Sciences
  - Radiation Oncology
  - Radiology
  - Surgery
  - *Urology
- **GSK Faculty**
  - *CTCR Scholars
- **Gynecology Disease Management Team**
  - Medicine
  - Surgery
  - Radiation Oncology
  - Pathology and Laboratory Medicine
- **Hematology-Oncology Fellows**
- **Human Oncology and Pathogenesis Program**
- **Infection Prevention and Control**

If you are interested in having a group created on your behalf, please contact us.
People: Groups

**Josie Robertson Surgery Center**

**Library**

**Medical Physics**
- Radiotherapy Physics Service

***Multidisciplinary Brain Metastasis Program***

**MSK Grad Students**
- Master of Science in Clinical and Translational Cancer Research

**Nursing**

**Pediatrics**
- General Oncology Service
- Hematologic Malignancies Service
- Neuro-Oncology Service
- Neuroblastoma Service
- Sarcoma Service
- Stem Cell Transplantation and Cellular Therapy Service

**Population Sciences Research Program**

**Psychiatry and Behavioral Sciences, Department of**
- Affiliates
- Behavioral Sciences Service
- Consultants
- Immigrant Health and Cancer Disparities Service
- Psychiatry Service

**Radiology, Department of**
- Body Imaging Service
- Breast Imaging Service
- Interventional Radiology Service
- Molecular Imaging and Therapy Service
- Neuroradiology Service
- Radiochemistry and Imaging Sciences Service

**Radiation Oncology, Department of**

**Sloan Kettering Institute Faculty**
- Cancer Biology and Genetics Program Faculty
- Cell Biology Program Faculty
- Computational Biology Program Faculty
- Developmental Biology Program Faculty
- Immunology Program Faculty
- Molecular Biology Program Faculty
- Molecular Pharmacology and Chemistry Program Faculty
- Structural Biology Program Faculty

**Sloan Kettering Institute Postdocs**

**Solid Tumor Oncology Division**
- Breast Medicine Service
- Clinical Genetics Service
- Early Drug Development Service
- Exercise Oncology Service
- Gastrointestinal Oncology Service
- Genitourinary Oncology Service
- Gynecologic Medicine Service
- Head and Neck Service
- Melanoma and Immunotherapeutics Service
- Sarcoma Service
- Thoracic Oncology

**Strategy and Analytics**

**Summer Clinical Oncology Research Experience (SCORE)**

**Surgery**

**Survivorship Research**

**Urology**
## Top Synapse Journals

In 2022, MSK authors published in 979 different journal titles covering topics such as:

- Cancer Genetics & Genomics
- Cancer Immunotherapy & Vaccines
- Cancer Metabolism
- Cell Signaling & Regulation
- Cell-Based Therapy
- Chemical Biology
- Computational Oncology
- Developmental Biology
- Epidemiology
- Statistics & Health Outcomes
- Epigenetics
- Exercise Oncology
- Genome Integrity
- Hematologic Malignancies
- Imaging
- Immunology
- Metastasis & Drug Resistance
- Microbiome & Inflammation
- Molecular Pathology & Diagnostics
- Nanotechnology
- Neuroscience & Neuro-Oncology
- Nursing
- Solid Tumor Oncogenesis
- Stem Cells
- Structural Biology
- Systems Biology
- Targeted Therapy
- Tumor Microenvironment

### FOR JOURNAL ARTICLES

The following chart shows the top 10 journal titles (by number of 2022 Synapse works) that MSK authors published in (including journal articles, reviews, research letters, correspondence, editorials, and guidelines.)

<table>
<thead>
<tr>
<th>Journal</th>
<th># of Synapse works in 2022</th>
<th>Impact Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annals of Surgical Oncology</td>
<td>104</td>
<td>3.7</td>
</tr>
<tr>
<td>Journal of Clinical Oncology</td>
<td>72</td>
<td>45.3</td>
</tr>
<tr>
<td>Clinical Cancer Research</td>
<td>70</td>
<td>11.5</td>
</tr>
<tr>
<td>Cancers</td>
<td>69</td>
<td>5.2</td>
</tr>
<tr>
<td>Nature Communications</td>
<td>57</td>
<td>16.6</td>
</tr>
<tr>
<td>Blood Advances</td>
<td>46</td>
<td>7.5</td>
</tr>
<tr>
<td>Blood</td>
<td>40</td>
<td>20.3</td>
</tr>
<tr>
<td>Frontiers in Oncology</td>
<td>36</td>
<td>4.7</td>
</tr>
<tr>
<td>Journal of the National Comprehensive Cancer Network</td>
<td>34</td>
<td>13.4</td>
</tr>
<tr>
<td>Transplantation and Cellular Therapy</td>
<td>32</td>
<td>3.2</td>
</tr>
</tbody>
</table>

*Impact factors were retrieved on 7/5/2023 from Journal Citation Reports, a product of Clarivate Analytics.*
## Top Meeting Abstracts

### TOP 5 MEETINGS
In 2022, these meetings generated the most abstracts:

1. 2022 ASCO Annual Meeting
2. 64th Annual Meeting of the American Society of Hematology (ASH)
3. 113th Annual Meeting of the American Association for Cancer Research (AACR)
4. ESMO Congress 2022
5. 64th Annual Meeting and Exhibition of the American Association of Physicists in Medicine (2022 AAPM)

### FOR MEETING ABSTRACTS
The following chart shows the top 10 journal titles for this reporting period (as of 6/27/2023) that MSK authors published meeting abstracts in.

<table>
<thead>
<tr>
<th>Journal</th>
<th># of Synapse works in 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal of Clinical Oncology</td>
<td>448</td>
</tr>
<tr>
<td>Blood</td>
<td>277</td>
</tr>
<tr>
<td>Cancer Research</td>
<td>175</td>
</tr>
<tr>
<td>Annals of Oncology</td>
<td>145</td>
</tr>
<tr>
<td>International Journal of Radiation Oncology, Biology, Physics</td>
<td>100</td>
</tr>
<tr>
<td>Medical Physics</td>
<td>90</td>
</tr>
<tr>
<td>Modern Pathology</td>
<td>74</td>
</tr>
<tr>
<td>Laboratory Investigation</td>
<td>73</td>
</tr>
<tr>
<td>Clinical Lymphoma, Myeloma and Leukemia</td>
<td>57</td>
</tr>
<tr>
<td>Transplantation and Cellular Therapy</td>
<td>50</td>
</tr>
</tbody>
</table>
Impact Factors are a benchmark of a journal’s reputation and reflect how frequently peer-reviewed journals are cited by other researchers in a specific year. A journal’s impact factor helps to evaluate the journal’s relative importance or prestige, especially when compared with others in the same field.

Revised annually by Journal Citation Reports (JCR), the impact factor calculation is largely based on the average number of times the journal’s articles have been cited in other publications over the previous two years, while correcting for inter-journal variability (for example, number of articles per issue and frequency of publication).

JCR can also be used to see how a journal is categorized within a specific research field and the ranking of the journal within its subject category/categories, providing additional insights to the journal’s value.
Top-Scoring Papers via Altmetric

The Altmetric Attention Score is derived from an automated algorithm and represents a weighted count of the amount of attention a research output receives on the Internet. It gives a guide to the overall attention at that moment in time.

The colors of the donut also have significance. Each color represents the source in which mentions of the paper were found (e.g. red for news outlets, blue for Twitter, yellow for blogs, etc.).

**LEGEND**

- News
- Blogs
- Twitter
- Facebook
- Sina Weibo
- Syllabi
- Policy Documents
- YouTube
- Post-Publication Peer-Reviews
- Wikipedia
- Reddit
- Google+
- Pinterest
- Patents
- Q&A (Stack Overflow)
- Research Highlight platform

*Altmetric Attention Scores occur in real time and can fluctuate based on new mentions or new sources added to the calculation. The scores shown are current as of 6/19/2023*
Highly-Cited Papers

The following represent the most highly-cited papers of 2022 with an MSK affiliation according to data retrieved from Dimensions on 06/19/2023.

Note: Only the MSK authors on the papers are shown.

- **The 5th edition of the World Health Organization Classification of Haematolymphoid Tumours: Myeloid and histiocytic/dendritic neoplasms**
  - *Leukemia*
  - Wenbin Xiao

- **The 5th edition of the World Health Organization Classification of Haematolymphoid Tumours: Lymphoid Neoplasms**
  - *Leukemia*
  - Melissa Pulitzer, Wenbin Xiao

- **Trastuzumab deruxtecan in previously treated HER2-low advanced breast cancer**
  - *New England Journal of Medicine*
  - Shanau Modi

- **International consensus classification of myeloid neoplasms and acute leukemias: Integrating morphologic, clinical, and genomic data**
  - *Blood*
  - Elli Papaemmanuil

- **Diagnosis and management of AML in adults: 2022 recommendations from an international expert panel on behalf of the ELN**
  - *Blood*
  - Eytan Stein, Martin Tallman, Ross Levine

- **Connecting copper and cancer: From transition metal signalling to metalloplasia**
  - *Nature Reviews Cancer*
  - Justin Cross, Linda Vahdat

- **Nivolumab versus sorafenib in advanced hepatocellular carcinoma (CheckMate 459): A randomised, multicentre, open-label, phase 3 trial**
  - *Lancet Oncology*
  - James Harding, Ghassan Abou-Alfa

- **PD-1 blockade in mismatch repair-deficient, locally advanced rectal cancer**
  - *New England Journal of Medicine*
  - Leonard Saltz, Philip Paty, Marc Gollub, Neil Segal, Mithat Gonen, Zsofia Stadler, Andrea Cercek Hanjis, Jinru Shia, Martin Weiser, Rona Yaeger, Julio Garcia Aguilar, Paul Romesser, Jesse Smith, Maria Widmar, Melissa Lumish, Avni Desai, Miteshkumar Patel, Christopher Crane, Imane El Dika, Marina Shcherba, Luis Diaz, Emmanouil Pappou, Benoit Rousseau, Michelle Lamedola-Essel, Ryan Sugarman, Jenna Cohen, Jill Weiss, Guillermo Argiles

- **Axicabtagene ciloleucel as second-line therapy for large B-cell lymphoma**
  - *New England Journal of Medicine*
  - Miguel-Angel Perales

- **Gastric cancer, version 2.2022: NCCN Clinical Practice Guidelines in Oncology**
  - *Journal of the National Comprehensive Cancer Network*
  - Hans Gerdes, Vivian Strong, David Ilson
Research Collaborations

The Synapse team analyzed the author affiliation data from (2,366) research articles authored by MSK researchers in 2022.

For each paper, we recorded the number of authors and unique geographic locations listed (i.e. if a paper had 5 author affiliations in New York, NY, we recorded “New York, NY” only once).

The results show the international scope of MSK research collaboration through journals, which span over 1,200 cities and 80 countries worldwide. The illustrations below represent three key outcomes:

1. The percentage of papers that include international affiliations;
2. The number of papers that showcase collaborative work done outside the Center;
3. The frequency of authors per paper.

**Affiliations**

<table>
<thead>
<tr>
<th>Affiliations</th>
<th># of papers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>US-only</td>
<td>1,314</td>
<td>56%</td>
</tr>
<tr>
<td>International</td>
<td>1,052</td>
<td>44%</td>
</tr>
</tbody>
</table>

**Collaborations**

<table>
<thead>
<tr>
<th>Collaborations</th>
<th># of papers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSK Authors Only</td>
<td>315</td>
<td>13%</td>
</tr>
<tr>
<td>External Collaborations</td>
<td>2,051</td>
<td>87%</td>
</tr>
</tbody>
</table>

**Authors Per Paper**

Mode: 7  
Median: 12  
Average: 15

1% of MSK research articles were single-authored papers
Research Collaborations: International

**Top collaborating institutions:**
- University of Toronto (Toronto, Canada) **125**
- Institut de Cancerologie Gustave Roussy (Villejuif, France) **67**
- INSERM – Institut National de la Santé et de la Recherche Medicale (Villejuif, France) **61**
- German Cancer Research Center (Heidelberg, Germany) **61**
- University of British Columbia (Kelowna, Canada) **58**
- University of Melbourne (Melbourne, Australia) **57**
- University of Sydney (Sydney, Australia) **55**
- Netherlands Cancer Institute (Amsterdam, Netherlands) **51**
- AP-HP Assistance Publique - Hopitaux de Paris (Paris, France) **51**
- Charité – Universitätsmedizin Berlin (Berlin, Germany) **51**

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**Top collaborating countries:**
- Germany: **400**
- United Kingdom: **356**
- Italy: **331**
- Canada: **302**
- France: **293**
- Spain: **245**
- Australia: **205**

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**LEGEND:**
- 251+ 
- 151-250 
- 51-150 
- 0-50
### Research Collaborations: United States

#### Top collaborating institutions:

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<td>Weill Cornell Medicine (New York, NY)</td>
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<td>University of Texas MD Anderson Cancer Center (Houston, TX)</td>
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<tr>
<td>Harvard Medical School (Cambridge, MA)</td>
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<td>University of Pennsylvania (Philadelphia, PA)</td>
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<td>Mayo Clinic (Rochester, MN)</td>
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<td>Brigham and Women's Hospital (Boston, MA)</td>
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<td>Icahn School of Medicine at Mount Sinai (New York, NY)</td>
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<td>University of California, San Francisco (San Francisco, CA)</td>
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#### Top collaborating states:

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The following bibliography consists of 2022 works that were ingested into Synapse as of 5/26/2023.

Based on the submission schedules of different publishers and commercial databases, there may be delays in 2022 content being added to Synapse.

The bibliography is divided into 11 sections:

**Journal Articles**
Presentation of original research investigations that are likely, but not always, peer-reviewed, including the following:
- Clinical trials, meta-analyses, laboratory investigations
- Case reports and brief reports
- White papers
- Chapters from a monographic series

**Reviews**
Comprehensive literature, topic, or subject summaries, including systematic reviews.

**Research Letters**
Original research presented in journals as correspondence.

**Editorials**
Editorials, viewpoints, commentaries, and other opinion type pieces published in journals.

**Guidelines**
A set of guidelines/recommendations written on behalf of a professional group or society.

**Correspondence**
Letters to the editor, replies, and other items included in the correspondence sections of journals.

**Miscellaneous**
Items that do not fall within other categories such as: book reviews, interviews, obituaries, debates, podcasts etc. These works are usually not peer-reviewed.

**Conference Papers**
Original articles published for or presented at a conference, symposium, or other professional gathering.

**Meeting Abstracts**
Published abstracts of presentations held at a conference, symposium, or other professional gathering including, (but not limited to):
- Poster presentations
- Oral presentations
- Panel discussions

**Book Sections**
Chapters or sections of a monograph or book. Occasionally, these will be represented in Synapse as journal articles (if they are part of a monographic series) or conference papers/meeting abstracts (if they are part of a proceedings booklet).

**Whole Books**
Whole monographs or entire books.
Journal Articles
(2,399)


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