2021 Synapse Publications Report
# Table of Contents

**INTRODUCTION** ........................................ 3  
Director’s Welcome ...................................3  
About Synapse ..........................................4  
COVID-19 Publications ..........................5  
Research in Review: An Analysis  
of MSK Publications, 2016-2020 ....6  

**PEOPLE** ............................................... 7  
Top Authors ...........................................7  
New Authors ..........................................8  
Groups ..................................................14  

**PUBLICATIONS** ..................................... 15  
Top Synapse Journals .......................15  
Top Meeting Abstracts .....................16  
Top Journals by Subject Category ....17  

**WORKS** ............................................ 18  
Top-Scoring Papers via Altmetric ....18  
Highly-Cited Papers .........................19  
Research Collaborations ..................20  
International ......................................21  
United States .....................................22  

**BIBLIOGRAPHY OF WORKS** ............... 23  
Journal Articles (2,508) .................24  
Reviews (581) .................................208  
Research Letters (89) .................241  
Editorials (350) ..............................249  
Guidelines (97) ...............................266  
Correspondence (107) .................282  
Miscellaneous (44) .........................289  
Conference Papers (31) .............292  
Meeting Abstracts (1,445) ......295  
Book Sections (48) .....................397  
Whole Books (1) .........................401  

**CONTACT US** ..................................... 403
Director’s Welcome

Welcome to the 2021 Synapse Publications Report!

As of July 2022, Synapse contained over 97,000 records [references/works] dating back to 1985, embodying 17,938 author profiles (current and former employees).

As a public-facing resource, Synapse is the authoritative 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, showcasing the research contributions to an ever-growing body of scientific knowledge attributed to Memorial Sloan Kettering Cancer Center.

For the second year in a row, we tracked MSK’s COVID-19 related publications to highlight research that our authors were writing about the pandemic, resulting in a total of 269 publications for this reporting period. We also included a section in this document to bring attention to a special report that was prepared and entitled, “Research in Review: An Analysis of MSK Publications, 2016-2020.” Released in April 2022, this report focuses on publication metrics, and how research impact is gauged.

I am delighted to share that this is our sixth year producing our Synapse Publications Report. This online documentation is a testament to the dedication of our authors in conducting innovative and collaborative research. I hope that readers will appreciate reviewing the research and clinical activities associated with the Center, and the commitment required to maintain this priceless resource.

Donna Gibson
Director of 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 16, 2022, Synapse contains content dating back to 1985.

2021 WORKS (5,301)

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</tr>
<tr>
<td>Whole Books</td>
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</tr>
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</table>

1,872 (75%) of 2021 journal articles in Synapse are NIH funded*

*As of May 24, 2022. Only peer-reviewed articles are required to cite NIH funding. In Synapse, “journal articles” may include some non-peer-reviewed papers.
Introduction

COVID-19 Publications

In April 2020, the Library began tracking MSK’s COVID-19 related publications to highlight any research, guidelines, perspectives, or commentaries about the pandemic authored by our MSK staff. The list has grown to include 542 publications (as of 6/15/2022), with 269 works published online in 2021.

Of particular interest, during the pandemic there was an increase in the use of preprint servers to share manuscripts not yet peer-reviewed. Preprint servers became another channel for authors to quickly share their COVID-19 research.

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<tr>
<td>Guidelines</td>
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<tr>
<td>Research Letters</td>
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<td>8</td>
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<td>TOTAL</td>
<td>215</td>
<td>269</td>
<td>57</td>
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</table>
Introduction

Research in Review: An Analysis of MSK Publications, 2016-2020

In April 2022 we released “Research in Review: An Analysis of MSK Publications, 2016-2020.” This report showcases a variety of metrics used to measure research impact at an article-, journal-, or author-level. In the period covered in this report, the Synapse team retrieved and curated over 25,500 works, and it is with these citations that we share one aspect of a very complex research story.

This report highlights the demographics of our author community, existing metrics, and how research impact is gauged. In addition, we share interesting facts about publication-related datasets gleaned from a variety of credible resources such as PubMed Central® (PMC). Our intentions in producing this report are to raise awareness of possible ways in which to view research contributions.

Check out the report to learn more!
Top Authors

Here we highlight the 10 most prolific authors of 2021, 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.

Alexander Drilon, MD
Medical Oncologist, Chief, Early Drug Development
80 publications

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

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

Monica Morrow, MD, FACS
Surgeon, Chief, Breast Service, Department of Surgery; Anne Burnett Windfohr Chair of Clinical Oncology
57 publications

Andreas Rimner, MD
Radiation Oncologist, Director, Thoracic Radiation Oncology Research
56 publications

Yelena Y. Janjigian, MD
Medical Oncologist, Chief, Gastrointestinal Oncology Service
54 publications

Eileen O'Reilly, MD
Medical Oncologist, Winthrop Rockefeller Endowed Chair in Medical Oncology; Co-Director, Medical Initiatives, David M. Rubenstein Center for Pancreatic Cancer Research; Section Head, Hepatopancreaticobiliary & Neuroendocrine Cancers
53 publications

Charles M. Rudin, MD, PhD
Medical Oncologist, Chief, Thoracic Oncology Service; Co-Director, Druckenmiller Center for Lung Cancer Research; Sylvia Hassenfeld Chair in Lung Cancer Research
52 publications

David R. Jones, MD
Surgeon, Chief, Thoracic Service, Department of Surgery; Co-Director, Druckenmiller Center for Lung Cancer Research; Fiona and Stanley Druckenmiller Chair in Lung Cancer; Executive Vice-Chair, Department of Surgery
52 publications

Sergio A. Giralt, MD
Hematologic Oncologist, Deputy Division Head, Division of Hematologic Malignancies; Melvin Berlin Family Chair in Multiple Myeloma
50 publications
In 2021, Synapse profiles were created for the following MSK employees (578):

Abaya, Anthony John  
Radiation Oncology

Acquafredda, Elizabeth P.  
Radiology

Adem, Patricia  
Laboratory Medicine

Adilbay, Dauren  
SKI Surgery

Akbulut, Dilara  
SKI Pathology

Akella, Padmastuti  
Graduate Staff

Aleisa, Abdullah  
Graduate Staff

Alfonso, Anabel Denisse  
SKI Medicine

Aliotta, Eric  
Medical Physics

Allwein, Benjamin Thomas  
Graduate Studies

Almodovar, Justina Ryo  
Pathology

Alonso Martinez, Salvador  
Graduate Staff

Al-Rawi, Duaa  
Graduate Staff

Amador Molina, Alfredo  
SKI Surgery

Amisaki, Masataka  
Human Oncology and Pathogenesis Program (HOPP)

An, Wenbin  
HOPP

Anderson, Eric  
Graduate Staff

Andriola, Hana  
Immunology

Apfelbaum, Elana  
Graduate Studies

Archer, Anne Clay  
Pediatrics

Argiles Martinez, Guillermo  
SKI Medicine

Armstrong, Emma  
SKI Medicine

Aronson, Julia  
Graduate Staff

Arora, Kanika Suresh  
HOPP

Artur, Meret Regula  
Molecular Biology

Aryamvally, Anjali  
Medicine

Askar, Medhat  
Laboratory Medicine

Auchincloss, Thomas Hugh  
Information Systems

Austria, Mia Dapon  
Biostatistics & Epidemiology

Autuori, Isidora  
Biostatistics & Epidemiology

Bacani, Joseph  
Nursing

Bacchir, Zohar  
Josie Robertson Surgery Center

Baggiolini, Arianna Virginia Giulia  
Developmental Biology

Bakker, Theodora Annamaria  
Information Systems

Bang, Alexander  
Graduate Staff

Barbar, Tarek  
Graduate Staff

Barone, Jonathan C.  
Laboratory Medicine

Barton, Laura E.  
Health Informatics

Bates-Pappas, Gienea Elizabeth  
SKI Psychiatry/Counseling

Batra, Sahil  
Molecular Biology

Bauer, David Dieter  
SKI Radiology

Beaudry, Joel Bernard  
Medical Physics

Benjamin, Bradley  
Graduate School Administration

Bewersdorf, Jan Philipp  
Graduate Staff

Billing, David  
Graduate Staff

Bjerre Real, Christian  
Graduate Staff

Bloom, Linda  
Nursing

Bogdan, Matthew  
Research and Technology Management

Bogue, Jarrod Terrence  
Graduate Staff

Borja, Jacquelyn  
Nursing

Boutemine, Sawsan R.  
Medicine

Bradic, Martina  
Collaborative Research Centers - PIC Directed

Brahmbhatt, Akshaar Navnit  
Graduate Staff

Brunner, Julia Stefanie  
Cell Biology

Bruno, Emmanuel Maria  
Immunology

Bubb, Tania N.  
Infection Control

Budhai, Alexandra  
Laboratory Medicine

Busalacchi, Kristen Shirl-lee  
SKI Surgery

Butala, Liana  
Basking Ridge

Cai, Wei Yong  
Collaborative Research Centers - PIC Directed

Cambuli, Francesco  
Molecular Pharmacology Program

Canasto-Chibuje, Claudia Y.  
Molecular Biology

Canavan, Maryanne Colleen  
Ld - Advanced Practice Providers

Caple, Julia Anne  
Nursing

Capozzi, Anne  
Urology

Capreol, Grace L.  
Outpatient

Capreol, Grace L.  
Information Systems

Cardenas III, Agustin Andres  
Collaborative Research Centers - PIC Directed

Carmody, Claire Elizabeth  
Nursing

Caspi, Inbal  
Graduate Studies

People
People: New Authors

Hahn, Anne
Impellizzeri
Biostatistics & Epidemiology

Halisos, Helen C.
Medicine

Hamadene, Linda
HOPP

Hampton, Bianca
Medicine

Han, Teng
HOPP

Hannon, Michael
Surgery

Harada, Guilherme
Graduate Staff

Harrington, Caitlin Anne
SKI Surgery

Harris, Wendy
Medical Physics

Harrison, Jenna Nicole
Medicine

He, Xiuxi
SKI Medical Physics

Hedlin, Margot A.
Medicine

Helfman, Olivia
Medicine

Herrero Alvarez, Natalia
SKI Radiology

Hershkowitz, Robin Melissa
SKI Psychiatry/Counseling

Hertz, Charli Ann
HOPP

Hill, Katherine
Elizabeht
SKI Pediatrics

Jackson, Christopher Brian
Graduate Staff

Jafri, Mustafa
Hussain
Graduate Staff

Jain, Nayan
Graduate School Administration

Jasari, Therande
Graduate Studies

Jianwar, Gourav Lalitkumar
Medical Physics

Jiang, Hui
SKI Surgery

Jiang, Yiyang
Structural Biology

Jinna, Sankeerth
Biostatistics & Epidemiology

Johnson, Valerie Maignan
Nursing

Johnson, William Thomas
Medicine

Houndeyin, Mahtin
Graduate Staff

Hung, Kun Wai
Medicine

Huynh, Thanh
Josie Robertson Surgery Center

Ibtida, Ishham
Graduate Staff

Iglesias Cardenas, Fiorella
Pediaiatrics

Ilica, Ahmet T.
Radiology

Dyson, Thomas
Graduate Staff

Kendall, Andrew
Medicine

Kemery, Elizabeth Rose
Health Informatics

Kentley, Jonathan
SKI Medicine

Ketosugbo, Kwami Frederick
Medicine

Khaleel, Sari
Graduate Staff

Khoobyar, Rose
Pathology

Kim, Dasom
Graduate Studies

Kim, Hyunu
Graduate School Administration

Kim, Minsoo
Graduate Studies

Kim, Nathaniel Tae-Sik
SKI Radiology

Kim, Veronica Joohyun
Pathology

Kimberlin, Colin
Medicine

Koch, Danielle
Monmouth

Kochańczyk, Tomasz Michał
Structural Biology

Kombak, Faruk Erdem
Graduate Staff

Kauff, Emily
Strategy and Innovation

Kelly, Susan Irene
Ld - Advanced Practice Providers

Kotsen, Chris Samuel
Psychiatry

Koum, Jennifer Anne
Medical Physics

Koval, Sergey
Medical Physics

Kozak, Kathryn E.
Nursing

Kraehenbuehl, Lukas
HOPP

Kurtansky, Nicholas
Raymond Medicine

Kutner, Allison
Medicine

Kyung, Yeon Ju
Cancer Biology and Genetics

Lapetina, Allison
Elisabeth Commack

Laszkowska, Monika
Medicine

Lin, Emily
Anesthesiology

Lin, Emily
Anesthesiology

Lin, Wendy
Graduate Studies

Liu, Jiacheng
Graduate Studies

Liu, Kaixian
Molecular Biology

Liu, Shi
Westchester

Lin, Shuangting
SKI Medicine

Liu, Xiaoning
Monmouth

Long, Alan
Wynham
SKI Pediatrics

Long, Matthew Michael
SKI Pediatrics

Loo, Kimberly
Graduate Staff

Love, Danielle E.
Medicine

Luh, Bin
HOPP

Lee, Alex
Joonghwa
Neurology

Lee, Chen Chiao
Medical Physics

Lee, Jasme
Biostatistics & Epidemiology

Lee, Shawna
Medicine

Lees, Hannah Jane
Research Facilities

Lengel, Harry Benjamin
SKI Surgery

Lenis, Andrew
Thomas
Graduate Staff

Lester, Rona I.
HOPP

Levitch, Cara
Graduate Staff

Levoir, Andrea C.
Pharmacy

Li, Alan Hon Lun
Collaborative Research Centers - PIC Directed

Li, Anyi
Medical Physics

Le, Deyao
Chemical Biology Program

Le, Feifei
Nassau

Li, Min Jun
HOPP

Li, Yan
SKI Surgery

Lihm, Jayon
SKI Epidemiology/Biostatistics

Lin, Emily
Anesthesiology

Lin, Wendy
Graduate Studies

Haggag, Dianna May
SKI Surgery

Guadix, Sergio W.
Graduate Staff

Guan, Zoe
SKI Epidemiology/Biostatistics

Gupta, Gaurav
Kumar
Laboratory Medicine

Gutierrez Abril, Jesus
SKI Epidemiology/Biostatistics

Gutierrez, Jillian
Granados
Pharmacy

Gutman, David
Radiology

Guttmann, David
Marshall
Radiation Oncology

Guzman-Seda, Natalia M.
Graduate Staff

Haggag, Dianna May
SKI Surgery

Groeger, Heather Lauren
Anesthesiology

Gross, Jeffrey
Radiation Oncology

Grossman, Craig Eli
Radiation Oncology

Haggag, Dianna May
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HOPP

Hampton, Bianca
Medicine

Han, Teng
HOPP

Hannon, Michael
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Ketosugbo, Kwami Frederick
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Pathology

Kim, Dasom
Graduate Studies

Kim, Hyunu
Graduate School Administration

Kim, Minsoo
Graduate Studies

Kim, Nathaniel Tae-Sik
SKI Radiology

Kim, Veronica Joohyun
Pathology

Kimberlin, Colin
Medicine

Koch, Danielle
Monmouth

Kochańczyk, Tomasz Michał
Structural Biology

Kombak, Faruk Erdem
Graduate Staff

Kauff, Emily
Strategy and Innovation

Kelly, Susan Irene
Ld - Advanced Practice Providers

Kotsen, Chris Samuel
Psychiatry

Koum, Jennifer Anne
Medical Physics

Koval, Sergey
Medical Physics

Kozak, Kathryn E.
Nursing

Kraehenbuehl, Lukas
HOPP

Kurtansky, Nicholas
Raymond Medicine

Kutner, Allison
Medicine

Kyung, Yeon Ju
Cancer Biology and Genetics

Lapetina, Allison
Elisabeth Commack

Laszkowska, Monika
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Westchester

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Liu, Xiaoning
Monmouth

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SKI Pediatrics

Long, Matthew Michael
SKI Pediatrics

Loo, Kimberly
Graduate Staff

Love, Danielle E.
Medicine

Lu, Bin
HOPP
People: New Authors

Lunkenheimer, Jessica Nicole
Monmouth

Luo, Danneng
Molecular Pharmacology Program

Ma, Yilun
Graduate Studies

Mabli, Xiaolin
Radiation Oncology

Maccaro, Catherine Rose
Medicine

Madala, Divya
Collaborative Research Centers - PIC Directed

Mahajan, Neena
Nursing

Maina, Elizabeth
Medicine

Maita, Michaela
Jean
Health Informatics

Malling, Charlotte
SKI Psychiatry/ Counseling

Manning-Geist, Beryl
Graduate Staff

Manoj, Parvathy
SKI Medicine

Manship, Cole
Manship Strategy and Innovation

Manuel, Gil Genna Gallart
David H . Koch Center

Maresca, Nina M
LD - Advanced Practice Providers

Margetich, Lauren Kristen
Graduate Staff

Markose, Gigi
Nursing

Marra, Antonio
SKI Pathology

Marie, Marie
Kathlyn
LD - Advanced Practice Providers

Martinez, Cassie
Owens
Pediatrics

Matar, Regina
SKI Surgery

Mathieu, Mickael
Francois Marie
SKI Radiation Oncology

Mathis, Noah
Graduate Staff

Matsuura, Danielli
SKI Surgery

Maxon, Victoria
Graduate Staff

Mayer, Hadley
Jones
Psychosocial Support

Mc Larney, Benedict Edward
Molecular Pharmacology Program

Mcavoy, Devin
Pyne
SKI Pediatrics

McCready, Taylor Marie
Josie Robertson Surgery Center

Mckenzie-Evans, Keisha
Medical Physics

Mckernan, Cayla
LD - Advanced Practice Providers

McMenemy, Sheila
Stafford
Graduate Staff

Meditz, Elissa M
Food and Nutrition Services

Mehta, Nikita
Navinchandra Pathology

Mehta, Paras
Graduate Staff

Melendez, Giselle
Nursing

Meskauskaite, Brigita
Computational and Systems Biology Program

Mi, Joanna
Nursing

Michaelsen, Nara Miriam
Graduate Staff

Minotti, Andrew
Graduate Studies

Mishra, Vishwas
Graduate Studies

Mitchell, Hannah-Rose
SKI Psychiatry/ Counseling

Mitobe, Keiko
SKI Medicine

Mitschka, Sibylle
Cancer Biology and Genetics

Mohammed, Raia
Resa
Surgery

Mohnant, Sagarajit
Cancer Biology and Genetics

Molvi, Zaki
Medicine

Momotaj, Saddia
Graduate Studies

Moore, Assaf
Graduate Staff

Moore, Grace
Mierzwa
SKI Radiation Oncology

Moorman, Andrew
Computational and Systems Biology Program

Moran, Jean
Marie
Medical Physics

Moreno, Aimee
Psychiatry Service

Mowla, Shoron
HOPP

Moy, Morgan
Calvin
Health Informatics

Moyer, Allison
Graduate Studies

Murillo, Stephanie
Nursing

Murphy, Brian J.
Pathology

Namba, Kei
SKI Pathology

Nataraj, Sarah
Elizabeth
Surgery

Nauffal, Mary
Pharmacy

Ng, Dianna L.
Pathology

Ng, Lauren
Celeste
Pediatics

Nichols, Chelsea
Lynn
Health Informatics

Nicklin, Philip J.
Radiology

Niederhausern, Andrew
Health Informatics

Nigam, Aradhya
SKI Surgery

Noin, Bridget C.
Nursing

Nortman, Taylor F.
Medicine

Nouvini, Rosa
Medicine

Ntivalas, Evangelos
Laboratory Medicine

Ocampo Ramos, Juan Camilo
SKI Medical Physics

Odgerel, Zagaa
HOPP

O'Donnell, Rachael Ponge
LD - Advanced Practice Providers

Oh, Yuna
Graduate Staff

Oliver, James
Michael
Basking Ridge

Olivo, Adriana
Marie
LD - Advanced Practice Providers

O’Neill, Alison
Clemens
Graduate Studies

O’Reilly, Andrew
Nursing

Payne, Alexander
Matthew
Graduate Studies

Payne, Thomas J.
SKI Psychiatry/ Counseling

Perin, Juan
Carlos
Information Systems

Perlee, Sarah
Catherine
Graduate School Administration

Peters, Nicole E.
Mommouth

Philemond, Steven
Radiology

Phipps, Michael
David
SKI Radiology

Pardini, Perri B.
Nursing

Parikh, Dhawi
Radiation Oncology

Park, Jeonghoon
Basking Ridge

Park, Minha
Laboratory Medicine

Patel, Dhhani
Medicine

Patel, Purvi S.
Medical Physics

Pinto, Ellen
Medical Physics

Pinto, James
David H . Koch Center

Plante, Nora
Carmody
Laboratory Medicine

Possum, Brandon W.
David H . Koch Center

Posthumus, Susan Backer
Nursing

Przystarz, Gabriela
Nursing

Pu, Stephen
Molecular Biology

Quadri, Safia
Seyed
Hospital Administration

Qualls, David
Augustus
Graduate Staff
People: New Authors

Queliza, Karen
Alexis
Pediatrics

Quinlan, Colleen
Willis
Medicine

Ramani, Shriram
HOPP

Ramkaran, Camille
Laboratory Medicine

Rao, Yi
SKI Radiology

Rappold, Phillip
Graduate Studies

Razmaria, Ali Aria
Radiology

Reichert, Kate
Elizabeth
Pharmacy

Remnick, Jennifer Marie
Pathology

Repeta, Lucas Daniel
Graduate Studies

Restle, David Joseph
SKI Surgery

Revskaya, Ekaterina
SKI Radiology

Reyes Lopez, Jose
Cancer Biology and Genetics

Richford, Angela Commack

Rincon, Carolanne
Basking Ridge

Rios-Doria, Eric Vincent
SKI Surgery

Rod, Amy Christine
Food and Nutrition Services

Rodrigues, James August
HOPP

Rodriguez Barreto, Ana Maria
Graduate Staff

Rogers, Rebecca Lynn
Nursing

Romero, Rodrigo
HOPP

Rubenstein, Robyn
SKI Surgery

Ruby, Jessica
Nursing

Rudneva, Vasilisa A.
Collaborative Research Centers - PIC Directed

Rufa, Dominic Antonio
Graduate Studies

Rusk, Nicole
Biostatistics & Epidemiology

Russell, Laura
Graduate Staff

Ryu, Keunwoo
Cancer Biology and Genetics

Ryu, Sunyoung
Nursing

Safford, Brent Jason
Research Facilities

Safonov, Anton
Graduate Staff

Saldana Morales, Fatima Beatriz
Immunology

Samuels, Zachary
SKI Radiology

Sankhe, Gaurav
Dasharath Immunology

Santarosa, Alayna Marie
Medicine

Saoi, Michelle
Research Facilities

Sarkar, Reith Roy
Graduate Staff

Sarraf, Leslie M
Anesthesiology

Satravada, Baby Anusha
Collaborative Research Centers - PIC Directed

Sauerhaft, Talia Rachel
Pediatrics

Scalise, Angela
Pathology

Schrecker, Christopher
HOPP

Schum, Peter
Nursing

Serrano, Edith
Medicine

Sethi, Shenon
Pathology

Sfeir, Agnel
Molecular Biology

Shah, Ronak S.
Anesthesiology

Sharan, Saumya
Medicine

Sharma, Konika
Graduate Staff

Sharma, Mehak
Psychiatry Service

Shen, Sernger
Medical Physics

Shen, Sherry
Graduate Staff

Sherman, Alexandra L.
David H. Koch Center

Shin, Jacob Y.
Radiation Oncology

Shin, Paul J.
Graduate Staff

Shlyueva, Daria Dmitrieva
Collaborative Research Centers - SKI Directed

Shulman, Leah
Medicine

Shulman, Scott Michael
Laboratory Medicine

Sikder, Devanjana
Medicine

Silverman, Max
Research Facilities

Simeth, Josiah J.
SKI Medical Physics

Singer, Michael Emet Zuri
HOPP

Singh, Annu
SKI Surgery

Sinha, Sonali
Molecular Pharmacology Program

Sipershteyn, Lev
Information Systems

Sisk, Ann Elizabeth
Medical Physics

Soudant, Celine
Information Systems

Tamarribas Patterson, Luis Felipe
HOPP

Sonay, Ali Yasin
Molecular Pharmacology Program

Song, Xiaqing
Pharmacology Program

Song, Xiang
Pathology

Srivathsan, Peiyee
Advanced Practice Providers

Srivatsan, Priyadarsini
HOPP

Stevens, Scott Michael
KI Epidemiology /Biostatistics

Stok, Daniel
Pediatrics

Stotler, Mark Larry
Medicine

Stokes, Andrew J.
Radiation Oncology

Tanaka, Asako
Research Facilities

Taya, Michio
David
Graduate Staff

Teran, Chrissie Catalina
Nursing

Tertinek, Nicholas Paul
Nursing

Van Buren, Daniel
Graduate Staff

Vanderbilt, Daniel
Graduate Staff

Vicari, Rocio
Immunology
People: New Authors

Vickerie, Sean
Laboratory Medicine

Vierbuchen, Thomas S.
Developmental Biology

Viray, Tara
SKI Radiology

Volpe, Alessia
SKI Radiology

Vural, Suleyman
Collaborative Research Centers - PIC Directed

Waarts, Michael R.
Graduate School Administration

Walsh, Elaine Mary
Medicine

Wang, Eric
HOPP

Wang, Hexiao
Graduate Studies

Wang, Naitao
HOPP

Wang, Qinghui
Chemical Biology Program

Wang, Zhaoquan
Graduate Studies

Warren, Garrett Mason
Molecular Biology

Weber, Eliza
Quality of Care Initiative

Weber, Jochen
Medicine

Weitzman, Matthew Scott
Medicine

Wershof, Esther
Computational and Systems Biology Program

White, Travis
Developmental Biology

Wilson, Nadia Aziz
Pediatrics

Wisniewski, Renee Elizabeth
Ld - Advanced Practice Providers

Wolansky, Ivan Andrij
Medical Physics

Wong, Wilfred
Graduate Studies

Woosley, Alyssa
Laboratory Medicine

Wray, Rick
Radiology

Wu, Can
Medical Physics

Wu, Wan-Jung
Immunology

Xie, Ziyu
SKI Pathology

Yakovlev, Sergey
Cancer Biology and Genetics

Yang, Ming
Collaborative Research Centers - PIC Directed

Yang, Mingxiao
SKI Integrative Medicine

Yang, Shaoyuan
HOPP

Yao, Zhongke
Research Facilities

Yaseen, Ayat
Structural Biology

Ye, Fei
Laboratory Medicine

Yi, Fei
Human Oncology and Pathogenesis Program

Young, Claire
Basking Ridge

Young, Jennifer
Medicine

Yu, You
Structural Biology

Zakheim, Daniel R.
Research Facilities

Zambri, Joseph Ralph
Medical Physics

Zammarrelli, William Anthony
Graduate Staff

Zanone, Michelle R.
Physician in Chief

Zebboudj, Abderezak
HOPP

Zhan, Yingqian
Collaborative Research Centers - SKI Directed

Zhang, Guannan
SKI Radiology

Zhang, Hao
Bergen

Zhang, Ivy
Graduate Studies

Zhao, Bo
Nassau

Zhen, Gang
Cancer Biology and Genetics

Zheng, Binbin
Graduate Staff

Zheng, Zhi
Graduate School Administration

Zhu, Yingjie
SKI Pathology

Zimmerman, Danielle Elise
Medicine
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 2020 report):

- **Advanced Practice Providers**
  - *Alan and Sandra Gerry Metastasis and Tumor Ecosystems Center*
- **Anesthesiology and Critical Care Medicine**
  - Anesthesiology Service, Critical Care Medicine
- **Center for Pancreatic Cancer Research**
- **Colorectal Surgery**
- **Dermatology Service**
- **DigITs Research Group**
  - *Division of Subspecialty Medicine*
  - Cardiology, Dermatology, Endocrinology, Gastroenterology, Hepatology and Nutrition, Renal Geriatrics, Infectious Disease, Integrative Medicine, Pulmonary
- **Epidemiology and Biostatistics**
  - Biostatistics Service, Computational Oncology Service, Epidemiology Service, Health Outcomes Research Group
- **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
- **GSK Faculty**
  - Center for Hematologic Malignancies
  - Adult Leukemia, Bone Marrow Transplant, Executive Committee, Hematologic Malignancies Research, Hematology, Lymphoma, Myeloma, Pediatric Leukemia.
  - *Hematology-Oncology Fellows*
  - Human Oncology and Pathogenesis Program
  - *Josie Robertson Surgery Center*
  - Library
  - Medical Physics
  - Radiotherapy Physics Service
- **MSK Grad Students**
  - Master of Science in Clinical and Translational Cancer Research
- **Nursing**
- **Pediatrics**
- **Population Sciences Research Program**
- **Psychiatry and Behavioral Sciences**
- **Radiology**
- **Radiation Oncology**
  - 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
- **Strategy and Analytics**
  - *Summer Clinical Oncology Research Experience (SCORE)*
- **Surgery**
- **Survivorship Research**
  - *Urology*

If you are interested in having a group created on your behalf, please contact us.
In 2021, MSK authors published in 941 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 2021 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 2021</th>
<th>Impact Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Cancer Research</td>
<td>85</td>
<td>13.801</td>
</tr>
<tr>
<td>Journal of Clinical Oncology</td>
<td>70</td>
<td>50.769</td>
</tr>
<tr>
<td>Annals of Surgical Oncology</td>
<td>66</td>
<td>4.339</td>
</tr>
<tr>
<td>Nature Communications</td>
<td>60</td>
<td>17.694</td>
</tr>
<tr>
<td>International Journal of Radiation Oncology, Biology, Physics</td>
<td>57</td>
<td>8.013</td>
</tr>
<tr>
<td>Cancers</td>
<td>50</td>
<td>6.575</td>
</tr>
<tr>
<td>Transplantation and Cellular Therapy</td>
<td>40</td>
<td>n/a</td>
</tr>
<tr>
<td>Journal of the National Comprehensive Cancer Network</td>
<td>39</td>
<td>12.693</td>
</tr>
<tr>
<td>Modern Pathology</td>
<td>35</td>
<td>8.209</td>
</tr>
<tr>
<td>JAMA Oncology</td>
<td>35</td>
<td>33.016</td>
</tr>
<tr>
<td>Gynecologic Oncology</td>
<td>35</td>
<td>5.304</td>
</tr>
</tbody>
</table>

*Impact factors were retrieved on 6/29/2022 from Journal Citation Reports, a product of Clarivate Analytics.*
Top Meeting Abstracts

TOP 5 MEETINGS
In 2021, these meetings generated the most abstracts:

1. 2021 ASCO Annual Meeting
2. 63rd Annual Meeting of the American Society for Radiation Oncology (ASTRO 2021)
3. ESMO Congress 2021
4. 112th Annual Meeting of the American Association for Cancer Research (AACR)
5. 63rd Annual Meeting and Exhibition of the American Association of Physicists in Medicine (AAPM)

FOR MEETING ABSTRACTS
The following chart shows the top 10 journal titles for this reporting period (as of 6/24/2022) that MSK authors published meeting abstracts in.

<table>
<thead>
<tr>
<th>Journal</th>
<th># of Synapse works in 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal of Clinical Oncology</td>
<td>400</td>
</tr>
<tr>
<td>Annals of Oncology</td>
<td>128</td>
</tr>
<tr>
<td>Cancer Research</td>
<td>127</td>
</tr>
<tr>
<td>International Journal of Radiation Oncology, Biology, Physics</td>
<td>89</td>
</tr>
<tr>
<td>Journal of Thoracic Oncology</td>
<td>87</td>
</tr>
<tr>
<td>Medical Physics</td>
<td>71</td>
</tr>
<tr>
<td>Laboratory Investigation</td>
<td>48</td>
</tr>
<tr>
<td>Modern Pathology</td>
<td>48</td>
</tr>
<tr>
<td>Annals of Surgical Oncology Clinical Lymphoma, Myeloma and Leukemia</td>
<td>34</td>
</tr>
<tr>
<td>Hematological Oncology</td>
<td>30</td>
</tr>
</tbody>
</table>
Top Journals by Subject Category

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
- LinkedIn
- 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 5/31/2022*
Highly-Cited Papers

The following represent the most highly-cited papers of 2021 with an MSK affiliation according to data retrieved from Dimensions on 06/07/2022. (Note: Only the MSK author on the paper is shown).

- **Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity**
  
  *Cell*
  
  William Glass, Ivy Zhang, John Damon Chodera

- **Nivolumab plus cabozantinib versus sunitinib for advanced renal-cell carcinoma**
  
  *New England Journal of Medicine*
  
  Robert Motzer

- **Lenvatinib plus pembrolizumab or everolimus for advanced renal cell carcinoma**
  
  *New England Journal of Medicine*
  
  Robert Motzer

- **Lutetium-177-PSMA-617 for metastatic castration-resistant prostate cancer**
  
  *New England Journal of Medicine*
  
  Michael Morris

- **First-line nivolumab plus chemotherapy versus chemotherapy alone for advanced gastric, gastro-oesophageal junction, and oesophageal adenocarcinoma (CheckMate 649): A randomised, open-label, phase 3 trial**
  
  *Lancet*
  
  Yelena Yuriy Janjigian

- **Sotorasib for lung cancers with KRAS p.G12C mutation**
  
  *New England Journal of Medicine*
  
  Bob Tingkan Li

- **Meta-analysis of tumor- and T cell-intrinsic mechanisms of sensitization to checkpoint inhibition**
  
  *Cell*
  
  Matthew David Hellmann

- **Genome-scale identification of SARS-CoV-2 and pan-coronavirus host factor networks**
  
  *Cell*
  
  Francisco Sanchez-Rivera, Scott W. Lowe

- **Four-year survival with durvalumab after chemoradiotherapy in stage III NSCLC - An update from the PACIFIC trial**
  
  *Journal of Thoracic Oncology*
  
  Andreas Rimner

- **Enfortumab vedotin in previously treated advanced urothelial carcinoma**
  
  *New England Journal of Medicine*
  
  Jonathan Eric Rosenberg
Research Collaborations

The Synapse team analyzed the author affiliation data from (2,470) research articles authored by MSK researchers in 2021. For each paper, we recorded the number of authors and unique geographic locations listed (i.e. if a paper had 5 author affiliations in NY, New York, we recorded “NY, New York” 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>1,331</td>
<td>54%</td>
</tr>
<tr>
<td>International</td>
<td>1,139</td>
<td>46%</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>338</td>
<td>14%</td>
</tr>
<tr>
<td>External Collaborations</td>
<td>2,132</td>
<td>86%</td>
</tr>
</tbody>
</table>

### Authors per Paper

- Mode: 8
- Median: 11
- Average: 15.5

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

Top collaborating institutions:  

<table>
<thead>
<tr>
<th>Institution</th>
<th># of papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ontario Cancer Institute (Toronto, Canada)</td>
<td>61</td>
</tr>
<tr>
<td>KU Leuven (Leuven, Belgium)</td>
<td>46</td>
</tr>
<tr>
<td>Université Paris Cité (Paris, France)</td>
<td>45</td>
</tr>
<tr>
<td>University of Sydney (Sydney, Australia)</td>
<td>44</td>
</tr>
<tr>
<td>University of British Columbia (Kelowna, British Columbia)</td>
<td>43</td>
</tr>
<tr>
<td>Medizinische Universität Wien (Vienna, Austria)</td>
<td>43</td>
</tr>
<tr>
<td>University Health Network, University of Toronto (Toronto, Canada)</td>
<td>41</td>
</tr>
<tr>
<td>Erasmus University Medical Center (Rotterdam, Netherlands)</td>
<td>34</td>
</tr>
<tr>
<td>Vall d’Hebron Institut de Oncologia (Barcelona, Spain)</td>
<td>34</td>
</tr>
<tr>
<td>Universität Heidelberg (Heidelberg, Germany)</td>
<td>32</td>
</tr>
</tbody>
</table>

Legend:

- 251+
- 151-250
- 51-150
- 0-50

Top collaborating countries:  

<table>
<thead>
<tr>
<th>Country</th>
<th># of papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>400</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>356</td>
</tr>
<tr>
<td>Italy</td>
<td>331</td>
</tr>
<tr>
<td>Canada</td>
<td>302</td>
</tr>
<tr>
<td>France</td>
<td>293</td>
</tr>
<tr>
<td>Spain</td>
<td>245</td>
</tr>
<tr>
<td>Australia</td>
<td>205</td>
</tr>
<tr>
<td>China</td>
<td>193</td>
</tr>
<tr>
<td>Netherlands</td>
<td>190</td>
</tr>
<tr>
<td>Japan</td>
<td>163</td>
</tr>
<tr>
<td>Switzerland</td>
<td>117</td>
</tr>
<tr>
<td>Belgium</td>
<td>102</td>
</tr>
<tr>
<td>Sweden</td>
<td>100</td>
</tr>
<tr>
<td>South Korea</td>
<td>84</td>
</tr>
<tr>
<td>Israel</td>
<td>83</td>
</tr>
</tbody>
</table>
Works

Research Collaborations: United States

**Top collaborating institutions:**

<table>
<thead>
<tr>
<th>Institution</th>
<th># of papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weill Cornell Medical College (New York, NY)</td>
<td>663</td>
</tr>
<tr>
<td>University of Texas MD Anderson Cancer Center (Houston, TX)</td>
<td>272</td>
</tr>
<tr>
<td>Dana-Farber Cancer Institute (Boston, MA)</td>
<td>256</td>
</tr>
<tr>
<td>Harvard Medical School (Cambridge, MA)</td>
<td>215</td>
</tr>
<tr>
<td>Mayo Clinic (Rochester, MN)</td>
<td>137</td>
</tr>
<tr>
<td>University of California, San Francisco (San Francisco, CA)</td>
<td>152</td>
</tr>
<tr>
<td>Massachusetts General Hospital (Boston, MA)</td>
<td>140</td>
</tr>
<tr>
<td>Brigham and Women's Hospital (Boston, MA)</td>
<td>132</td>
</tr>
<tr>
<td>Icahn School of Medicine at Mount Sinai (New York, NY)</td>
<td>131</td>
</tr>
<tr>
<td>Fred Hutchinson Cancer Research Center (Seattle, WA)</td>
<td>126</td>
</tr>
</tbody>
</table>

**LEGEND:**

- 601+
- 301-600
- 201-300
- 101-200
- 1-100

**Top collaborating states:**

<table>
<thead>
<tr>
<th>State</th>
<th># of papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York</td>
<td>1103</td>
</tr>
<tr>
<td>California</td>
<td>672</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>545</td>
</tr>
<tr>
<td>Texas</td>
<td>338</td>
</tr>
<tr>
<td>Maryland</td>
<td>286</td>
</tr>
<tr>
<td>Florida</td>
<td>261</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>261</td>
</tr>
<tr>
<td>North Carolina</td>
<td>242</td>
</tr>
<tr>
<td>Ohio</td>
<td>215</td>
</tr>
<tr>
<td>New Jersey</td>
<td>203</td>
</tr>
<tr>
<td>Minnesota</td>
<td>183</td>
</tr>
<tr>
<td>Illinois</td>
<td>179</td>
</tr>
<tr>
<td>Washington</td>
<td>157</td>
</tr>
<tr>
<td>Tennessee</td>
<td>153</td>
</tr>
<tr>
<td>Connecticut</td>
<td>148</td>
</tr>
</tbody>
</table>
Bibliography of Works

The following bibliography consists of 2021 works that were ingested into Synapse as of 4/26/2022.

Based on the submission schedules of different publishers and commercial databases, there may be delays in 2021 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
(2,508)


Allais BS, Beatson M, Wang H, Shahbazi S, Bijelic L, Jang S, Venna S. Five-year survival in patients with nodular and superficial...


PMC ID: PMC7814296

Pmc Id: PMC8470964

Pmc Id: PMC8464070

Pmc Id: PMC8234268

Pmc Id: PMC7032651

Pmc Id: PMC8671208

Pmc Id: PMC8234268


Antonescu CR, Rosenberg AE, Xie Z, Zhang L, Perrell KA, Loya AC. Sarcomas with sclerotic epithelioid phenotype harbor novel EWSR1-SSX1 fusions. Genes Chromosomes and Cancer. 2021;60(9):616-622. PMCID: PMC8266753


Applebaum A, Walsh LE, Polacek LC, Benvengo S, Levin T. Acute cancer cognitive therapy online training program: Feasibility
and impact on clinician knowledge uptake. Journal of Cancer Education. 2021;36(5):1081-1085. PMCID: PMC7541394


Aslan A, Singh J, Robilotti E, Chow K, Bist T, Reidy-Lagunes D, Shah M, Korenstein D, Babady NE, Kamboj M. Severe acute respiratory syndrome coronavirus 2 surveillance and exposure in the perioperative setting with universal testing and personal protective equipment policies. Clinical Infectious Diseases. 2021;73(9):e3013-e3018. PMCID: PMC7665395


Azaro A, Massard C, Tap WD, Cassier PA, Merchaj J, Italiano A, Anderson B, Yuen E, Yu D, Oakley G 3rd, Benhdadi KA, Pant S. A phase 1b study of the Notch inhibitor crenigacestat (LY3039478) in combination with other anticancer target agents (taladegib, LY3023414, ...


Babady NE, Aslam A, McMillen T, Syed M, Zehir A, Kamboj M. Genotypic correlation between post discharge Clostridiodes difficile infection (CDI) and previous unit-based contacts. Journal of Hospital Infection. 2021;109:96-100. PMCID: PMC8456756


Bibliography of Works: Journal Articles


Bibliography of Works: Journal Articles


A clinically interpretable, artificial intelligence-based model. JCO Clinical Cancer Informatics. 2021;5:1220-1231.


Bibliography of Works: Journal Articles


PMCID: PMC8436215


PMCID: PMC8511790


PMCID: PMC8813710


PMCID: PMC8493766


PMCID: PMC8476001


PMCID: PMC7843235


PMCID: PMC7534786


PMCID: PMC8478661


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