



# AOJ ANNALS OF JOINT

AN OPEN ACCESS JOURNAL FOR HIGH-QUALITY RESEARCH IN BONES AND JOINTS



## 2022 Annual Report

### Editorial Office

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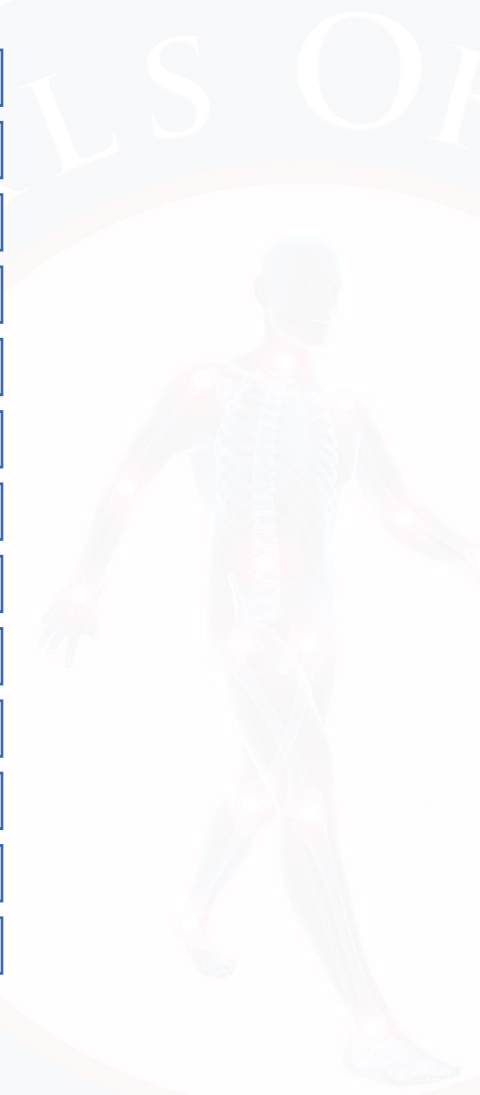
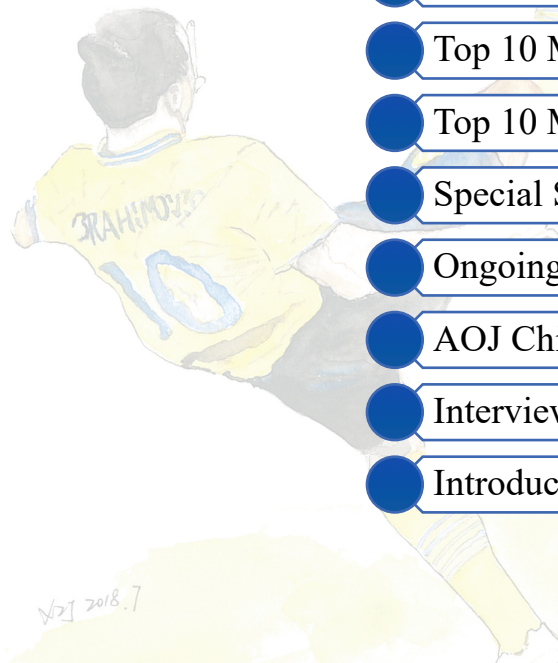
Website: [aoj.amegroups.com](http://aoj.amegroups.com)

Updated on December 31<sup>st</sup>, 2022.



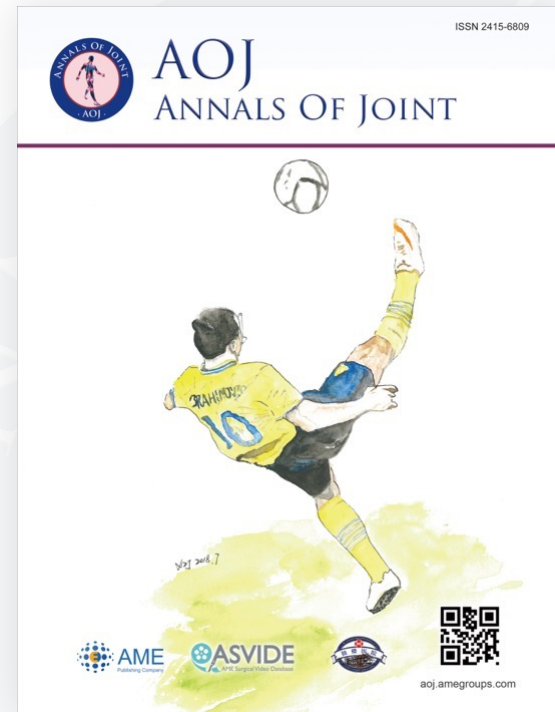
## Outline

- Basic Information
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## 1. Basic Information

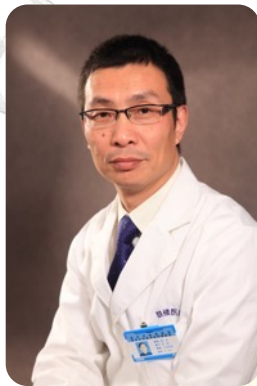
- Open-access
- Peer-reviewed
- Electronic Publication
- Published by AME Publishing Company
- Endorsed by Drum Tower Hospital Affiliated to Medical School of Nanjing University
- Member of Committee on Publication Ethics (COPE)
- 2016: Launched in March
- 2018: Indexed in ESCI in December
- 2020: Indexed in Scopus in November



*AOJ is an interdisciplinary forum for the rapid publication of original articles, editorials, technique notes, case reports and reviews on clinical, translational, and basic aspects of bone and joint.*

## 2. Editorial Team

### ➤ Editors-in-Chief



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Drum Tower Hospital Affiliated  
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**Shiro Ikegawa**

RIKEN Center for Integrative  
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## 2. Editorial Team

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Department of Orthopaedics, Peking University Third Hospital, Beijing, China



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**Jianbing Ma, M.D. (Knee Joint Reconstruction)**

Department of Knee Joint Reconstruction, Xi'an Honghui Hospital, Medical School, Xi'an Jiaotong University, Xi'an, China



**Haihong(Henry) Mao, MD, MS, CAQ**

School of Medicine, Indiana University, Indiana, USA



**Hong Wei Ouyang (Sports medicine & Stem Cells and Regenerative Medicine)**

School of Basic Medical Science, Zhejiang University, Hangzhou, China



**Wenwei Qian, MD (Orthopaedic Joint)**

Orthopedic Department of Peking Union Medical College Hospital, Beijing, 100730, China



**Jian Wu, MD (Adult Joint Reconstructive Surgery)**

Department of Adult Joint Reconstructive Surgery, Beijing Jishuitan Hospital, Beijing, China



**Charlie C. Yang (Joint Replacement)**

Colorado Joint Replacement, Centura Health Physician Group, Denver, Colorado, USA

## 2. Editorial Team

### ➤ Current Editorial Board Members

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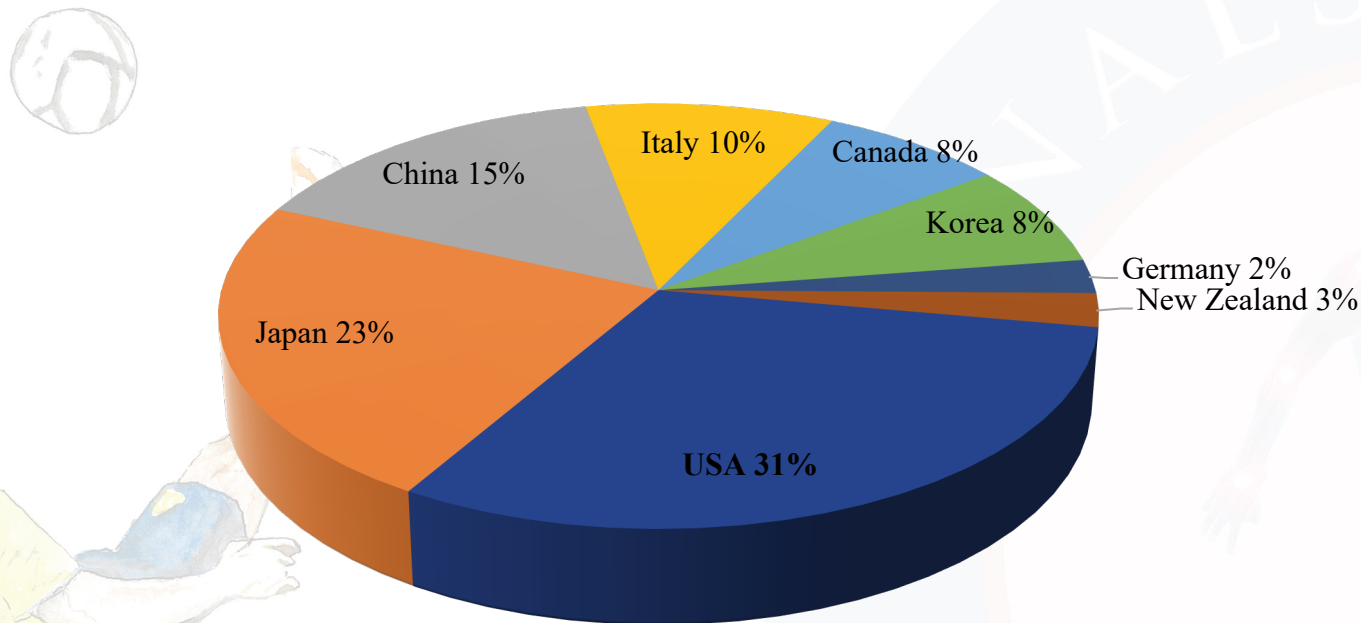
Nan Wu, China

Stefano Zaffagnini, Italy

Ze Zhang Zhu, China

## 2. Editorial Team

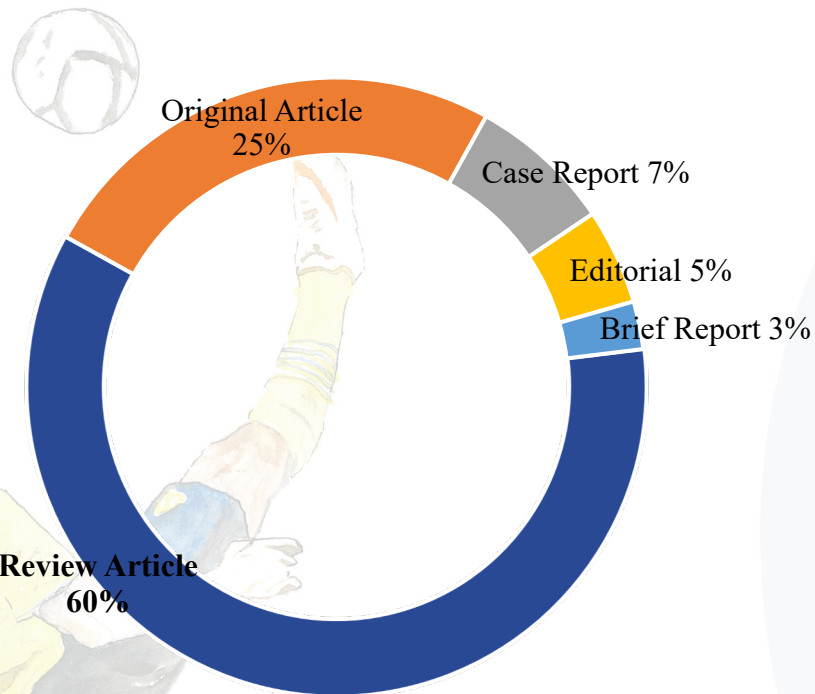
### ➤ Geographic Distribution of Current Editorial Board Members



**39** current editorial board members come from **8** countries, among who there are **31%** from the **USA**, followed by **Japan, China, Italy, Canada, Korea** and etc.



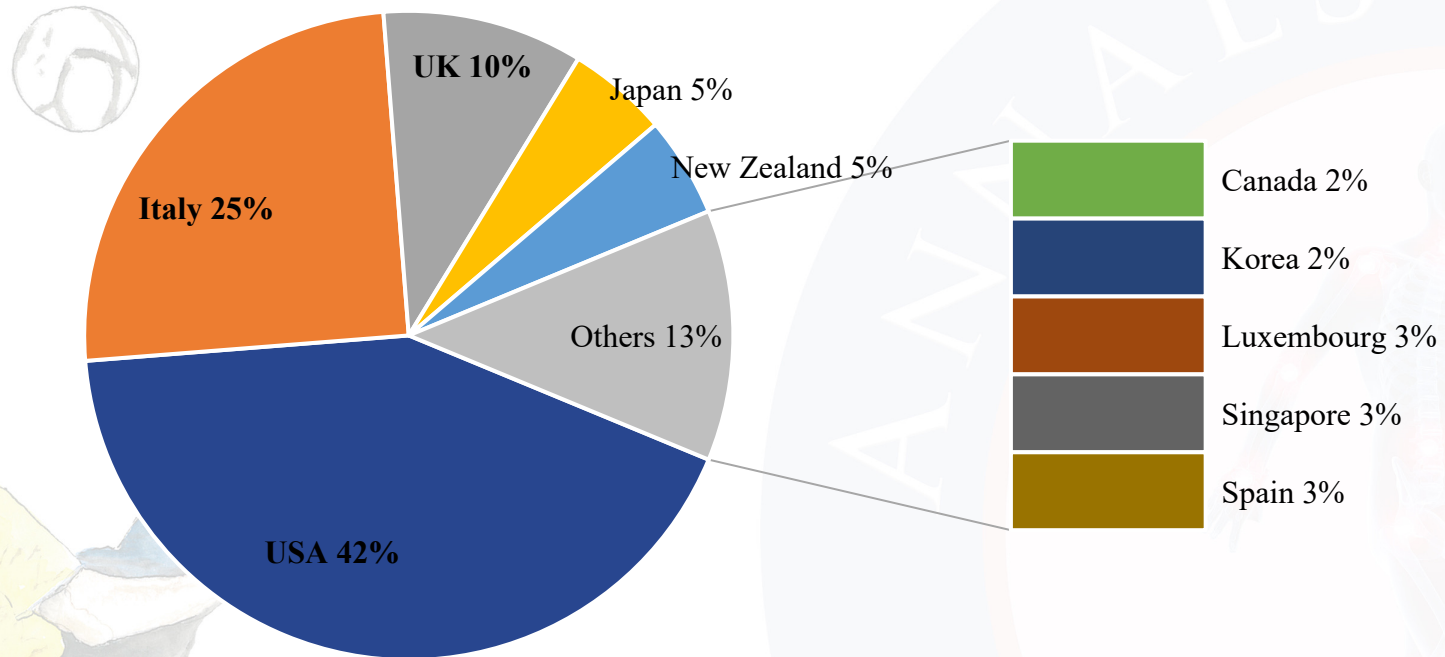
## 3. Diverse Types of Articles Published in 2022



**In 2022, AOJ published a total of 40 articles, among which there were**

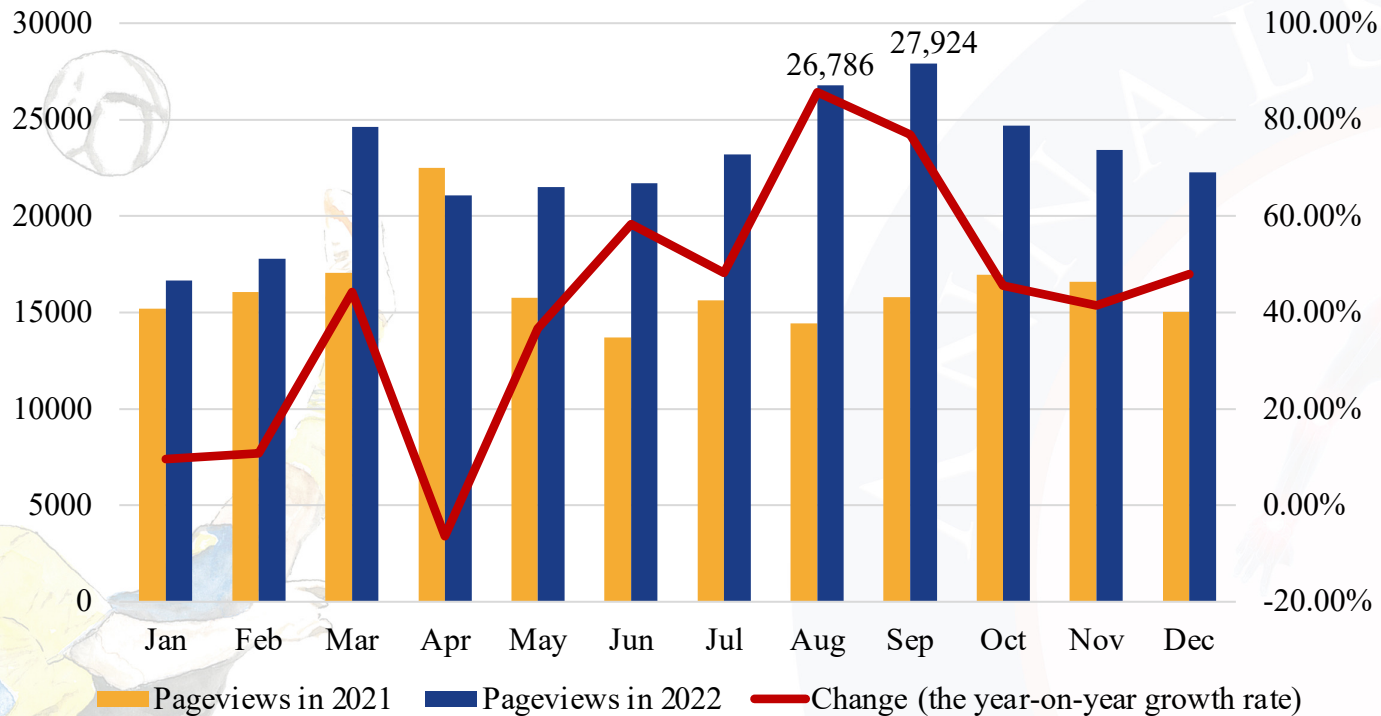
- 24 Review Articles,**
- 10 Original Articles,**
- 3 Case Reports,**
- 2 Editorials,**
- 1 Brief Reports.**

## 4. International Diversity of Corresponding Authors in 2022



Corresponding authors of **40** articles published in 2022 come from **10** countries, among who there are **42%** from the **USA**, followed by **Italy**, the **UK**, **Japan**, **New Zealand** and etc.

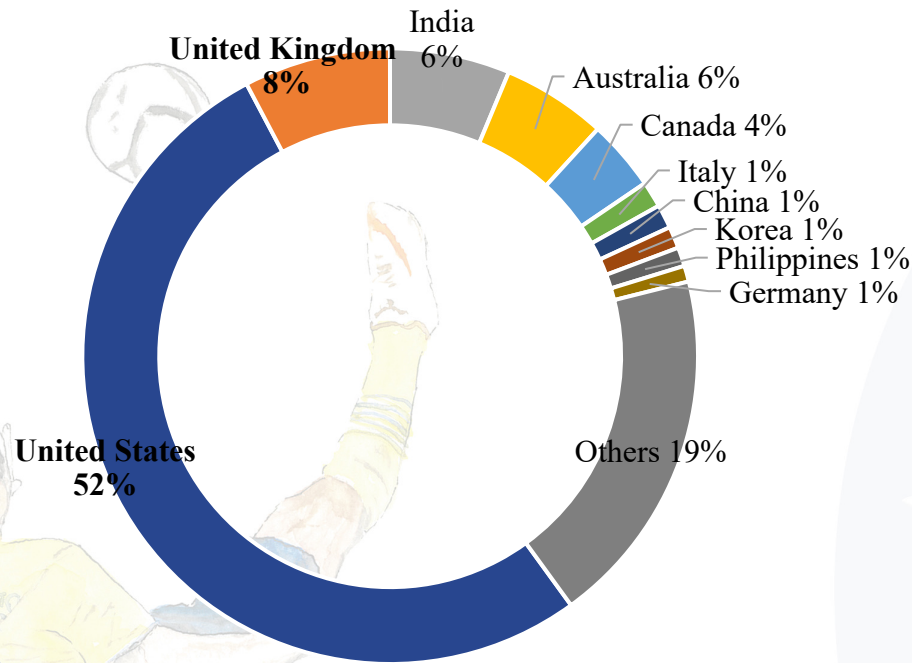
## 5. Pageviews from Google Analytics between 2021 and 2022



Pageviews of AOJ from Google Analytics in 2022 reached **271,624** in total, an increase of **39.50%** over 2021. Especially, it comes up to **27,924** in September 2022. Among them, the year-on-year growth rate in **August** was as high as **85.67%**.

Note: Data were collected from Google Analytics on December 31<sup>st</sup>, 2022.

## 6. Website Visits in 2022



■ Others include Thailand, Singapore, Malaysia, Ireland, New Zealand, Egypt, Spain, Brazil and etc.

Country	Users
United States	89,143
United Kingdom	13,157
India	10,760
Australia	9,359
Canada	6,337
Italy	2,335
China	2,131
Korea	1,951
Philippines	1,690
Germany	1,429

From Jan 1<sup>st</sup>, 2022 to Dec 31<sup>st</sup>, 2022, AOJ has a total of **170,530** visitors. Experts who visited AOJ website were from diverse countries, with the majority from the **USA**, followed by the **UK**, **India**, **Australia**, **Canada**, **Italy** and **China**.

Note: Data were collected from Google Analytics on December 31<sup>st</sup>, 2022.

## 7. Top 10 Most Viewed Articles Published in AOJ

Title	Corresponding Author	Country	Pageviews
Treatment of subchondral insufficiency fracture of the knee by subchondroplasty	Marcelo Batista Bonadio	Brazil	12,085
Managing acromial fractures: prevention and treatment, both nonoperative and operative	Adam J. Seidl	USA	5,591
The psychology of the female athlete: how mental health and wellness mediate sports performance, injury and recovery	Cordelia W. Carter	USA	5,114
Glenoid fractures: which ones can be fixed through the scope?	Christopher D. Joyce	USA	4,722
The low back pain in patients with hip osteoarthritis: current knowledge on the diagnosis, mechanism and treatment outcome	Wenjie Weng	China	3,937

Note: Data were collected from Google Analytics from March 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2022.

## 7. Top 10 Most Viewed Articles Published in AOJ

Title	Corresponding Author	Country	Pageviews
Complications after ORIF of proximal humerus fractures—how to deal with them	Jonathan D. Barlow	USA	3,646
Charcot midfoot reconstruction—surgical technique based on deformity patterns	Venu Kavarthapu	UK	3,314
Osteoarthritis of the hip: aetiology, pathophysiology and current aspects of management	Nemandra Sandiford	New Zealand	3,208
Ulnar collateral ligament injury in the elbow: current trends for treatment	Matthew V. Smith	USA	3,005
Chondral and osteochondral lesions in the patellofemoral joint: when and how to manage	Jack Farr II	USA	2,773

Note: Data were collected from Google Analytics from March 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2022.

## 8. Top 10 Most Cited Articles Published in AOJ

Title	Corresponding Author(s)	Country	Total Citations
Polymeric biomaterials for bone regeneration	Bin Li	China	34
Chondrocytes-osteoblast transition in endochondral ossification	Liu Yang Qiang Jie	China	20
A review of articular cartilage and osteoarthritis studies by Fourier transform infrared spectroscopic imaging	Jianhua Yin	China	16
Cemented or cementless fixation for primary hip arthroplasty-evidence from The International Joint Replacement Registries	Chun Hoi Yan Wenming Zhang	China	12
Pre-operative planning for reverse shoulder replacement: the surgical benefits and their clinical translation	Eric T. Ricchetti	USA	11

Note: Data were collected from Web of Science from March 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2022.

## 8. Top 10 Most Cited Articles Published in AOJ

Title	Corresponding Author(s)	Country	Total Citations
Management of bone deficiency in revision anterior cruciate ligament reconstruction	Mark D. Miller	USA	11
Raman spectroscopy for the assessment of osteoarthritis	Nikolaos Kourkoulis	Greece	10
Recovery and outcomes of direct anterior approach total hip arthroplasty	J. Bohannon Mason	USA	10
How to avoid tunnel convergence in a multiligament injured knee	Gilbert Moatshe	Norway	8
Cartilage repair in the hip	Ivan H. Wong	Canada	8

Note: Data were collected from Web of Science from March 1<sup>st</sup>, 2016 to December 31<sup>st</sup>, 2022.



## 9. Special Series Published in 2022

### ➤ Lateral Meniscus



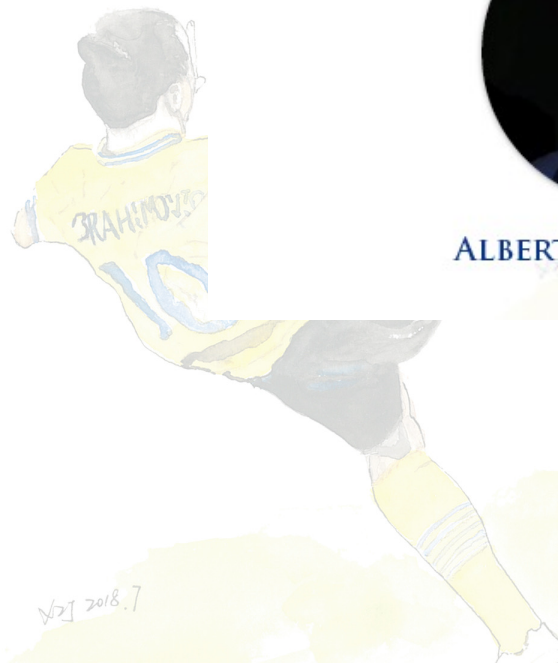
### GUEST EDITORS



ALBERTO GRASSI; STEFANO ZAFFAGNINI



Scan to read the  
articles in this series



## 10. Ongoing Special Series

### ➤ Bone Metastasis



GUEST EDITOR



RUI YANG



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series outline



[2] 2018.7

## 10. Ongoing Special Series

- **Controversies in Shoulder Surgery and Algorithmic Approach to Decision Making**



GUEST EDITOR



PRASHANT MESHAM



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series outline

## 10. Ongoing Special Series

### ➤ Implications of Graft Choice in ACL Reconstruction



GUEST EDITOR



NICHOLAS N. DEPHILLIPO



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## 10. Ongoing Special Series

### ➤ Bone Loss in Shoulder Instability and Shoulder Arthroplasty



#### GUEST EDITORS



JONATHAN D. HUGHES; ALBERT LIN



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1/21 2018.7

## 10. Ongoing Special Series

### ➤ Revision Total Hip Arthroplasty



#### GUEST EDITORS



NEMANDRA A SANDIFORD; DANIEL KENDOFF



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## 11. AOJ Chinese Edition

The AOJ Chinese edition (the Chinese edition of *Annals of Joint*) is a Chinese-language column that addresses the growing need for trusted medical information in China. The initiative of the AOJ Chinese edition aims to raise awareness of medical advances among clinicians through translated content, enhancing the links between Chinese scientists and the international medical community.

The translation of a selection of full-text content from AOJ applies rigorous standards to ensure accuracy and quality control. The AOJ Chinese edition will deliver the quality clinical and scientific content to the Chinese medical and clinical research community.

### 犬骨肉瘤：人类和犬类研究的交叉点

Posted on 2022-08-16 16:36:52

骨肉瘤 (Osteosarcoma, OSA) 是儿童最常见的恶性骨肿瘤, 10-20岁是发病率的高峰。

[Read more →](#)

### 骨骺未闭的未成年患者前交叉韧带解剖学重建

Posted on 2022-08-16 16:35:59

在过去, 对骨骺未闭未成年前交叉韧带 (ACL) 损伤的处理, 主要以非手术或缝合修复为主, 但不能不

[Read more →](#)

### 前交叉韧带合并前外侧韧带损伤：从解剖到临床效果

Posted on 2022-08-16 16:33:09

前交叉韧带 (ACL) 撕裂是最常见的膝关节损伤之一, 前交叉韧带重建 (ACLR) 的手术量在过去几十年

[Read more →](#)

### 全膝关节置换术假体周围骨折的管理：一项手术选择的回顾性研

Posted on 2022-08-16 16:31:37

初次膝关节置换术中存在假体周围骨折的风险; 然而, 更多的这类骨折来自于术后。

[Read more →](#)

### 膝骨关节炎的全基因组相关性研究：现在和未来

Posted on 2022-08-16 16:30:36

膝骨关节炎是一种常见的复杂疾病, 由遗传和环境因素共同作用引起。

[Read more →](#)

### 女运动员三联征：过去, 现在和未来方向

Posted on 2022-08-16 16:29:40

自1972年美国联邦立法通过教育法修正案第九条至今, 女性参与各级别组织的体育运动的人数急剧增加

[Read more →](#)

### 儿童户外创伤

Posted on 2022-08-16 16:28:40

最近一段时间, 青少年参加体育运动的次数有所下降, 但与运动相关的损伤发生率却有所增加, 特别是像曲棍球这样的运动。

[Read more →](#)

### 膝关节的疼痛与不稳

Justin W. Arner, Kevin N. Jiang, Volker Musahl, Freddie H. Fu

Department of Orthopaedic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

**Contributions:** (I) Conception and design: All authors; (II) Administrative support: All authors; (III) Provision of study materials or patients: All authors; (IV) Collection and assembly of data: All authors; (V) Data analysis and interpretation: All authors; (VI) Manuscript writing: All authors; (VII) Final approval of manuscript: All authors.

**Correspondence to:** Freddie H. Fu, Chairman, Department of Orthopaedic Surgery, UPMC Center for Sports Medicine, 3200 South Water Street, Pittsburgh, PA 15203, USA. Email: [ffu@upmc.edu](mailto:ffu@upmc.edu).

**摘要:** 不稳定性膝关节疼痛的病因复杂多样, 易误诊。常见的韧带损伤, 如前交叉韧带(ACL)撕裂可导致膝关节疼痛, 可继发于血肿、关节损伤、半月板病变和(或)髌股关节疼痛。关于骨挫伤在ACL损伤和膝关节不稳定患者中的作用存在争议。患者因素如性别、年龄、BMI和运动类型, 也起着一定的作用。当选择韧带重建手术时, 术前康复训练是必不可少的, 以减少关节纤维化的风险, 关节纤维化是术后膝关节疼痛的一个常见原因。自体移植供区的疼痛, 以及疼痛的固定物, 也是相关的, 手术后的治疗也很重要。后交叉韧带损伤可导致无症状的膝关节不稳定, 这也可能是疼痛的原因。与ACL一样, 这种不稳定可导致进一步的软骨损伤和骨关节炎, 进而导致膝关节疼痛。此外, 膝关节多发韧带损伤很复杂, 导致膝关节疼痛的原因更多。必须特别注意患者的血管和神经状况, 因为复杂的区域疼痛综合征等情况可能是毁灭性的。通常情况下, 损伤和手术并发症以及关节纤维化会引起急、慢性疼痛, 目前还没有很好的治疗方案。作者建议采取个性化的方法, 包括进行彻底的检查, 适当的治疗和术后护理, 以防止进一步的损伤和使人疲惫的疼痛, 以获得最佳的结果。

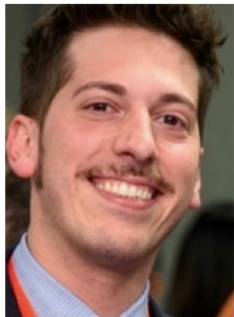
**关键词:** 膝关节疼痛; 膝关节不稳定; 前交叉韧带(ACL)损伤; 膝关节韧带损伤

## 12. Interviews with Outstanding Authors (2022)

In 2022, many AOJ authors make outstanding contributions to our journal. Their articles published with us have received very well feedback in the field and stimulate a lot of discussions and new insights among the peers.

Hereby, we would like to highlight some of our outstanding authors who have been making immense efforts in their research fields, with a brief interview of their unique perspective and insightful view as authors.

Gian Andrea Lucidi



Dr. Gian Andrea Lucidi is a PGY5 Orthopaedic resident working at the Rizzoli Institute in Bologna, Italy, under the guidance of Prof. Stefano Zaffagnini. In 2016, he was the top-ranked candidate amongst all Italian orthopedic surgery residency candidates.

Hideyuki Koga he has had the opportunity to conduct biomechanical research especially after ACL research which includes synthetic meniscus.

Academic writing plays a role in a rigorous methodology, both positive and negative evidence, both basic and clinical research.

Science advances rapidly in the field of research, Dr. Lucidi's latest published article.

congresses to be updated with the most recent trends in research, interesting discussions about new articles and research.

As an author, Dr. Lucidi lays emphasis on the importance of high-quality manuscripts. To him, following these guidelines is always required for high-quality research.

*"During the last years of medical school, I realized I was interested in the best mentor possible. To achieve that goal, I knew I needed the chance to work with some orthopedic giants like Prof. Zaffagnini and having the opportunity to spend a full-year fellowship with professional career," says Dr. Lucidi.*



Dr. Hideyuki Koga, MD, PhD, is a Professor of Joint Surgery and Sports Medicine, Tokyo Medical and Dental University (TMDU), Tokyo, Japan. One of his research topics has been regarding knee anterior cruciate ligament (ACL) injury prevention, and clarified detailed ACL injury mechanisms using a sophisticated 3D video analysis called model-based image-matching technique. He is still working on injury prevention as a member of scientific committee, IOC World Conference Prevention of Injury and Illness in Sport, and a member of Academic Advisory Board, IOC.

Joseph A. Ippolito

He has also double-boarded in orthopedic surgery and is a member of the American Orthopedic Association. Why do we do this? Being a reviewer is a privilege and a responsibility. Furthermore,



Dr. Joseph A. Ippolito currently serves at the Department of Orthopaedics, Rutgers New Jersey Medical School (NJMS), USA. He was born and raised in New Jersey and attended Rutgers University where he earned a bachelor's degree in Cell Biology and Neuroscience. He went on to earn an M.D. at Rutgers NJMS. He stayed on at Rutgers NJMS for orthopaedic residency, followed by a fellowship in musculoskeletal oncology at the University of Chicago. His areas of interest include clinical research in bone and soft tissue tumors, clinical research in revision and infected total joint arthroplasty, biomechanical testing and development related to orthopaedic implants, and basic science investigation of novel materials to enhance bone healing in diabetic and immunosuppressed patients. You may follow Dr. Ippolito on Instagram @JosephIppolitoMD.

Academic writing typically builds upon decades of investigational research from respected experts across the world. As such, Dr. Ippolito believes that diligent review of the literature is crucial to ensure an understanding, amongst both the author and reader, of the rationale behind any treatment or disease being investigated. He explains, *"When writing a manuscript, it is imperative to ensure proper citation is given to those before you who have developed the concepts you are building upon. Ensuring the accuracy of this, while also formatting a manuscript which is under the word limit of a journal, can be difficult, albeit worthwhile."*

With the number of scientific journals and number of published articles growing annually, it can seem daunting to stay atop the latest information in one's field. In Dr. Ippolito's opinion, apart from regularly reading orthopaedic journals with high impact factors, participating in journal clubs with residents, following respected colleagues on platforms designed to showcase recent publications, and attending collaborative meetings within orthopaedics have been helpful to allow himself to stay up-to-date.

On the other hand, Dr. Ippolito stresses that it is important for authors to disclose conflict of interest to ensure the integrity of the investigation being presented. There are many opportunities for bias in research, some of which may be unintentional from the authors. This, in addition to the peer-review process, is essential to helping authors share information for clinicians and scientists to develop the best treatments possible for patients.

There are some skill sets that Dr. Koga believes are very important to accomplish one's research. As a surgeon, logical, and analyzing objectively are also keys for success.

In Dr. Koga's opinion, disclosure of Conflict of Interest in the research getting influenced. He believes it could be interfered.

*"If you do not publish your paper, no one can read it. Needless to say, if you just perform surgeries without publishing, your work is lost."*



## 13. Introduction of the Publisher AME

Our Publisher–

**AME Publishing Company**

[www.amegroups.com](http://www.amegroups.com)

- Established in 2009
- Registered in Hong Kong
- 10 offices around the world
- **60+ peer-reviewed journals**
- **13 indexed in SCIE**
- **7 indexed in ESCI**
- **20 indexed in PubMed/PMC/MEDLINE**
- **200+ Medical Books**
- **80+ Medical Books in English**
- **120+ Medical Books in Chinese**
- **150+ Electronic Editions**

