Welcome to the 16th volume of *Nanomedicine*

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“We would like to take this opportunity to thank all our readers, authors and Editorial Board members who contributed to the journal in 2020.”

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To all our readers, we are delighted to welcome you to the 16th volume of *Nanomedicine*. 2020 has been an unprecedented year with the worldwide coronavirus pandemic. Researchers of all fields have been working to find strategies to protect people from COVID-19, and the nanomedicine community is no different, with many nano-based strategies having been proposed for the treatment and prevention of the disease [1].

Read on to find out more about some of the content highlights from 2020. This year, I am highlighting past content using data on readership, citations and social media attention.

Content highlights of 2020

Table 1 shows our most read 2020 content. Understandably, COVID-19 has been a hot topic this year, with the top three most read review-style articles discussing how nanomedicines have been used against coronaviruses in the past and their potential against the current SARS-CoV strain [2–4].

In our most read research article, Rinde *et al.* used a mouse model of obesity to assess the impact of a diet supplemented with mesoporous silica particles on weight gain [5]. Compared with controls, mice taking the particles had reduced adipose tissue formation and lower leptin levels. The authors propose that the mechanism of action may be through limitation of gastrointestinal energy uptake, but state that further investigation is required.

In addition to research and reviews, we publish short opinion style articles. The most read of these is a commentary, discussing the potential theranostic nanoparticles have to be used in a clinical setting, and the challenges associated with realizing this [6]. In our most read editorial, authors review the uses of fluorescent nanothermometers and their disadvantages [7].

Citations are a key metric for assessing the impact of published papers. A recent addition to all journals published by Future Science Group is the inclusion of Dimensions citation data alongside each article [8]. This provides information on the number of citations an article has received, and links through to the Dimensions website with details on the citing publications, how the publication's citation number compares with others in the same field, and more.

Looking at these data provides further information on impactful papers, and **Table 2** lists the top content published in 2019 and 2020 issues when ranked by citation number. Articles on clinical nanomedicine and anticancer nanoformulations have been well cited.

All Future Science Group journals are integrated with Altmetric [16], with each article receiving a score reflecting the quantity and reach of the attention it has received (i.e., on social media, in policy/patent documents and in news, blogs and other sources). While citation data takes time to accrue following publication, Altmetric scores give an earlier indication of content that is attracting attention. **Table 3** shows the top 2020 content ranked by Altmetric score. Of interest, a running theme for much of our content with a high Altmetric score is neuro-based nanomedicine.

Table 1. Top articles in *Nanomedicine's* 2020 issues by readership[†].

Rank	Full-text downloads	Article type	Title	Authors	Volume (issue)	Altmetric score	Citations	Ref.
1	6912	Special Report	Application of nanomaterials in treatment, anti-infection and detection of coronaviruses	Nikaeen <i>et al.</i>	15(15)	4	9	[2]
2	2691	Perspective	Why have nanotechnologies been underutilized in the global uprising against the coronavirus pandemic?	Uskoković	15(17)	9	2	[3]
3	2260	Review	Nanomedicine as a promising approach for diagnosis, treatment and prophylaxis against COVID-19	Abd Ellah <i>et al.</i>	15(21)	52	2	[4]
4	2034	Research Article	Mesoporous silica with precisely controlled pores reduces food efficiency and suppresses weight gain in mice	Rinde <i>et al.</i>	15(2)	96	2	[5]
5	1781	Commentary	Challenges of moving theranostic nanomedicine into the clinic	Singh <i>et al.</i>	15(2)	2	6	[6]
6	1333	Editorial	Research shortcomings of fluorescent nanothermometers in biological and medical fields	Yuxuan <i>et al.</i>	15(8)	1	1	[7]

[†]As of 18 November 2020.Table 2. Top articles in *Nanomedicine's* 2019 and 2020 issues by citations[†].

Rank	Citations	Article type	Title	Authors	Volume (issue)	Altmetric score	Ref.
1	64	Review	Nanopharmaceuticals and nanomedicines currently on the market: challenges and opportunities	Farjadian <i>et al.</i>	14(1)	0	[9]
2	23	Research Article	Freeze-dried and GMP-compliant pharmaceuticals containing exosomes for acellular mesenchymal stromal cell immunomodulant therapy	Bari <i>et al.</i>	14(6)	1	[10]
3	16	Review	Recent progress in nanoscale metal-organic frameworks for drug release and cancer therapy	Heet <i>et al.</i>	14(10)	0	[11]
4	15	Review	Nanoparticle systems for cancer vaccine	Wen <i>et al.</i>	14(5)	4	[12]
5	14	Review	Nanopaclitaxel therapy: an evidence based review on the battle for next-generation formulation challenges	Harshita <i>et al.</i>	14(10)	0	[13]
6	12	Research Article	Mannosylated thiolated paromomycin-loaded PLGA nanoparticles for the oral therapy of visceral leishmaniasis	Afzal <i>et al.</i>	14(4)	0	[14]
–	12	Research Article	Nutlin-loaded magnetic solid lipid nanoparticles for targeted glioblastoma treatment	Grillone <i>et al.</i>	14(6)	3	[15]

[†]As of 18 November 2020.Table 3. Top articles in *Nanomedicine's* 2020 issues by Altmetric score[†].

Rank	Altmetric score	Article type	Title	Authors	Volume (issue)	Ref.
1	96	Research Article	Mesoporous silica with precisely controlled pores reduces food efficiency and suppresses weight gain in mice	Rinde <i>et al.</i>	15(2)	[5]
2	52	Review	Nanomedicine as a promising approach for diagnosis, treatment and prophylaxis against COVID-19	Abd Ellah <i>et al.</i>	15(21)	[4]
3	38	Special Report	Drug delivery across the blood–brain barrier: recent advances in the use of nanocarriers	Mulvihill <i>et al.</i>	15(2)	[17]
4	19	Systematic Review	Nanoparticles as contrast agents for the diagnosis of Alzheimer's disease: a systematic review	Ulanova <i>et al.</i>	15(7)	[18]
5	15	Review	An overview of nanomedicines for neuron targeting	Garcia-Chica <i>et al.</i>	15(16)	[19]
6	12	Special Report	Safety considerations for nanoparticle gene delivery in pediatric brain tumors	Luly <i>et al.</i>	15(18)	[20]

[†]As of 18 November 2020.

Figure 1. Author demographics for *Nanomedicine* in 2020.

The Nanomed Zone

2020 saw the launch of Future Science Group's latest digital platform, the Nanomed Zone [21], which *Nanomedicine* works alongside. The Nanomed Zone is a free platform offering access to breakthrough research and insightful, engaging resources including breaking news, peer-reviewed articles, webinars and articles from key opinion leaders, all focusing on nanotechnology. Visit the site to find out more! You can also find a monthly feature on the site highlighting top content from that month's issues of *Nanomedicine*.

Social media

Nanomedicine continues to be active on Twitter @fsgnm [22]. Our regular posts include journal highlights, such as newly published content and the latest nanomedical news. This year, we have thoroughly enjoyed engaging with authors and readers. We welcome anyone on Twitter to join our existing followers to connect with us going into 2021.

Geographic spread of our authors

As well as looking back over the topics and types of article published in the journal, it is interesting to consider the source of the content (Figure 1). As usual, Asia and Europe make up the greater proportion of our authorship; however, it is interesting to see contributors from some new countries this year, including Argentina, Chile and Saudi Arabia.

Looking forward

We would like to take this opportunity to thank all our readers, authors and Editorial Board members who contributed to the journal in 2020. As we move into 2021, I look forward to working with them across *Nanomedicine* and The Nanomed Zone.

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