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数据资讯：
**2018—2021年
全球十大热门研究主题**

2018年1月1日—2021年6月23日，Scopus数据库中共新收录论文12 003 752篇。本文整理其中的十大热门研究主题（表1），并附上各个主题的关键

词图。希望能对读者概览近3年全球研究热点有所助益。

表1 2018年1月1日—2021年6月23日Scopus中新收录研究论文所属研究主题（前10位）

Table 1 Topic clusters of Scopus research papers in Jan. 1, 2018 to Jun. 23, 2021 (top 10)

排名	研究主题	中文关键词	热门程度*	论文量 (篇)	FWCI值**
1	COVID-19; SARS-CoV-2; Coronavirus	新冠肺炎、新冠病毒、冠状病毒	100.00	88 278	5.76
2	Secondary Batteries; Electric Batteries; Lithium Alloys	蓄电池、电池、锂合金	99.93	100 480	1.91
3	Photocatalysis; Photocatalysts; Solar Cells	光催化、光触媒、太阳能电池	99.87	92 604	1.64
4	Algorithms; Computer Vision; Models	算法、计算机视觉、模型	99.80	182 039	1.39
5	Graphene; Carbon Nanotubes; Nanotubes	石墨烯、碳纳米管、纳米管	99.73	84 044	1.47
6	T-Lymphocytes; Neoplasms; Immunotherapy	T-淋巴细胞、肿瘤、免疫疗法	99.67	58 544	1.54
7	MicroRNAs; Long Untranslated RNA; Neoplasms	微小核糖核酸、长链非编码RNA、肿瘤	99.60	61 140	1.53
8	Plasmons; Metamaterials; Surface Plasmon Resonance	等离子体、超材料、表面等离子共振	99.53	57 968	1.30
9	Catalysts; Zeolites; Hydrogenation	催化剂、沸石、氢化作用	99.47	46 608	0.99
10	Catalysis; Synthesis (Chemical); Catalysts	催化、合成（化学品）、催化剂	99.40	46 441	1.12

* 采用爱思唯尔Prominence指数，该指数显示某一主题在研究领域的发展势头

** Field-Weighted Citation Impact，为主题下所有文章的被引情况与同期系统所有文章的被引情况的比值，该值越大表示该主题文章的总被引量越大、该主题研究越活跃



图1 全球“新冠肺炎、新冠病毒、冠状病毒”话题相关论文（2018年1月1日—2021年6月23日）中的高频词云（a）及对应中文词云（b）

Figure 1 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “COVID-19; SARS-CoV-2; Coronavirus” (Jan. 1, 2018 to Jun. 23, 2021)

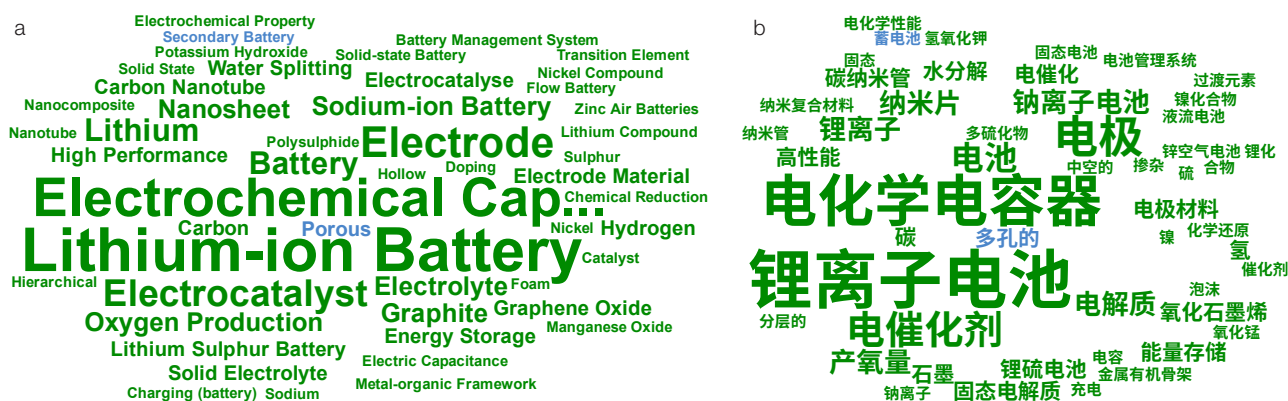


图2 全球“蓄电池、电池、锂合金”话题相关论文（2018年1月1日—2021年6月23日）中的高频词云（a）及对应中文词云（b）

Figure 2 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Secondary Batteries; Electric Batteries; Lithium Alloys” (Jan. 1, 2018 to Jun. 23, 2021)

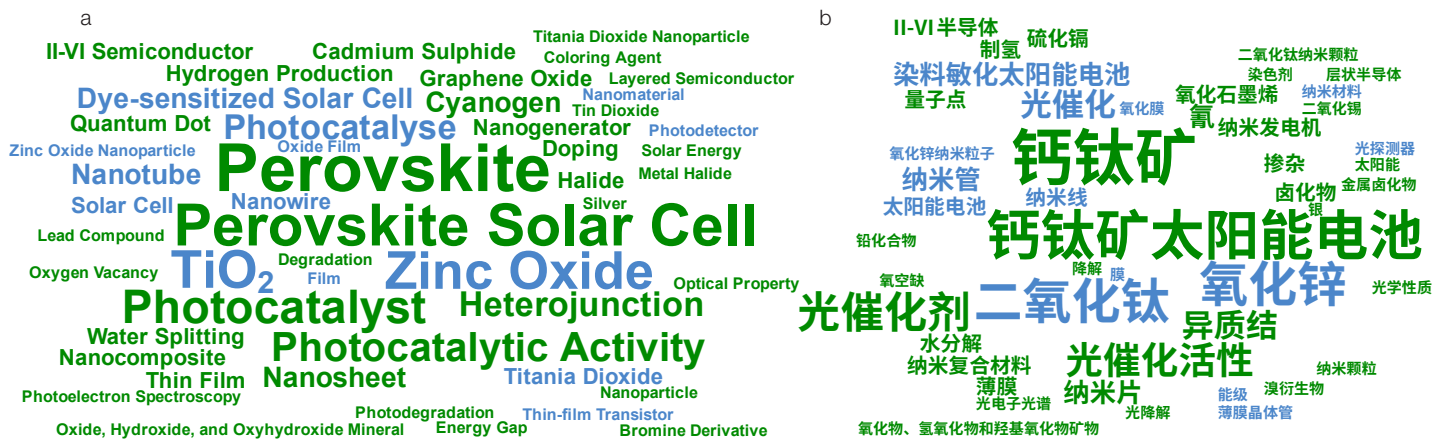


图3 全球“光催化、光触媒、太阳能电池”话题相关论文（2018年1月1日—2021年6月23日）中的高频词云（a）及对应中文词云（b）

Figure 3 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Photocatalysis; Photocatalysts; Solar Cells” (Jan. 1, 2018 to Jun. 23, 2021)

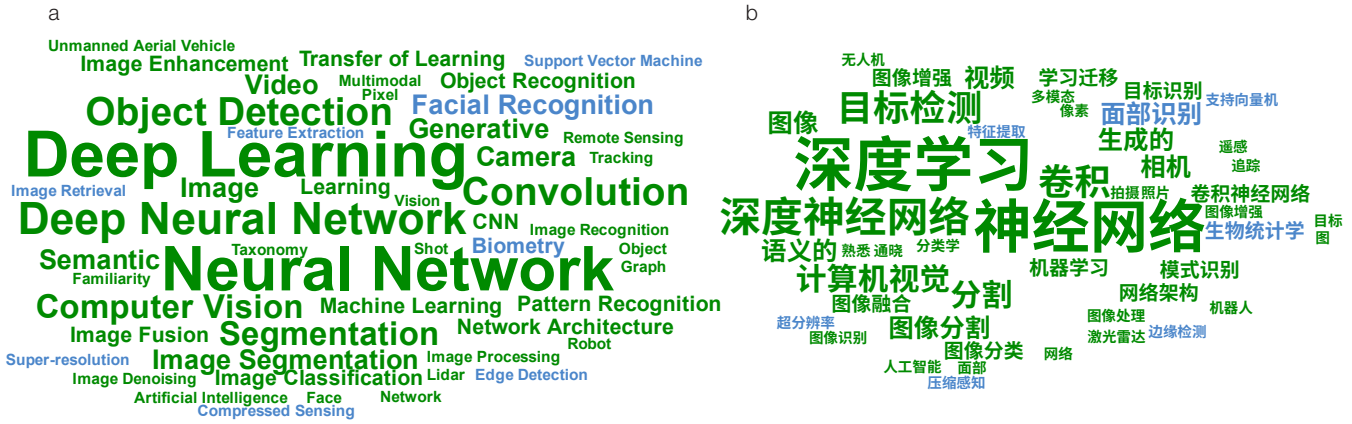


图4 全球“算法、计算机视觉、模型”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 4 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Algorithms; Computer Vision; Models” (Jan. 1, 2018 to Jun. 23, 2021)

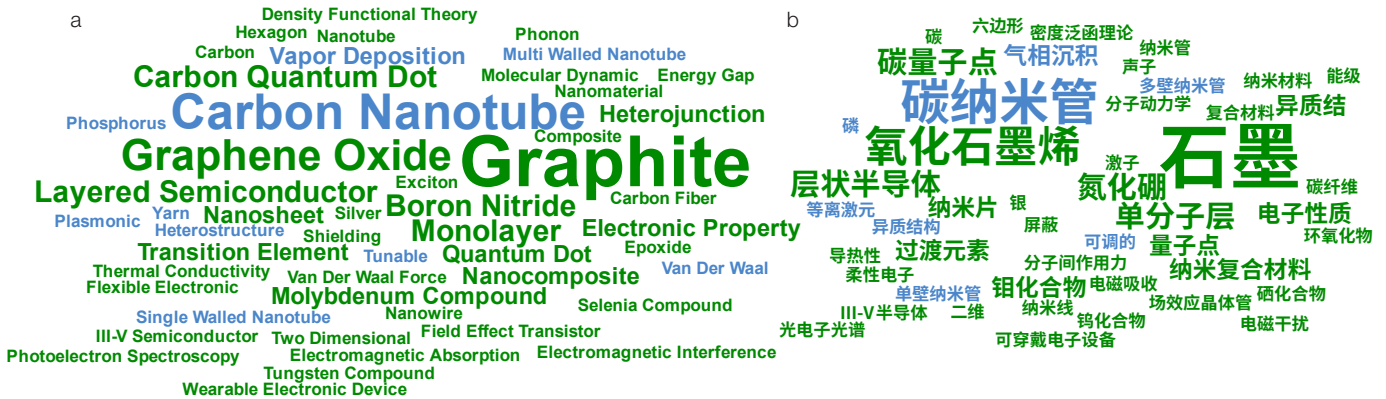


图5 全球“石墨烯、碳纳米管、纳米管”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 5 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Graphene; Carbon Nanotubes; Nanotubes” (Jan. 1, 2018 to Jun. 23, 2021)

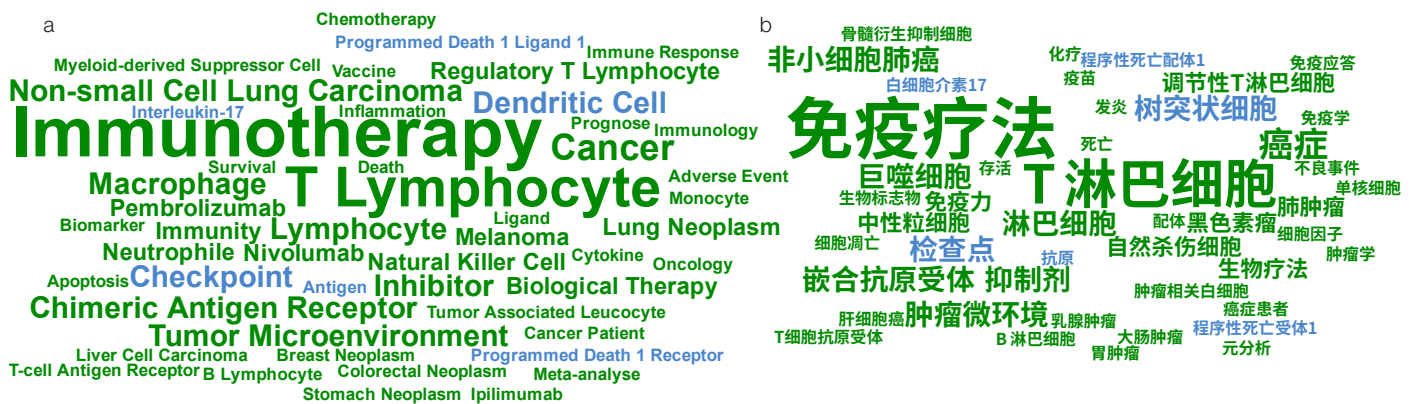


图6 全球“T-淋巴细胞、肿瘤、免疫疗法”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 6 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “T-Lymphocytes; Neoplasms; Immunotherapy” (Jan. 1, 2018 to Jun. 23, 2021)

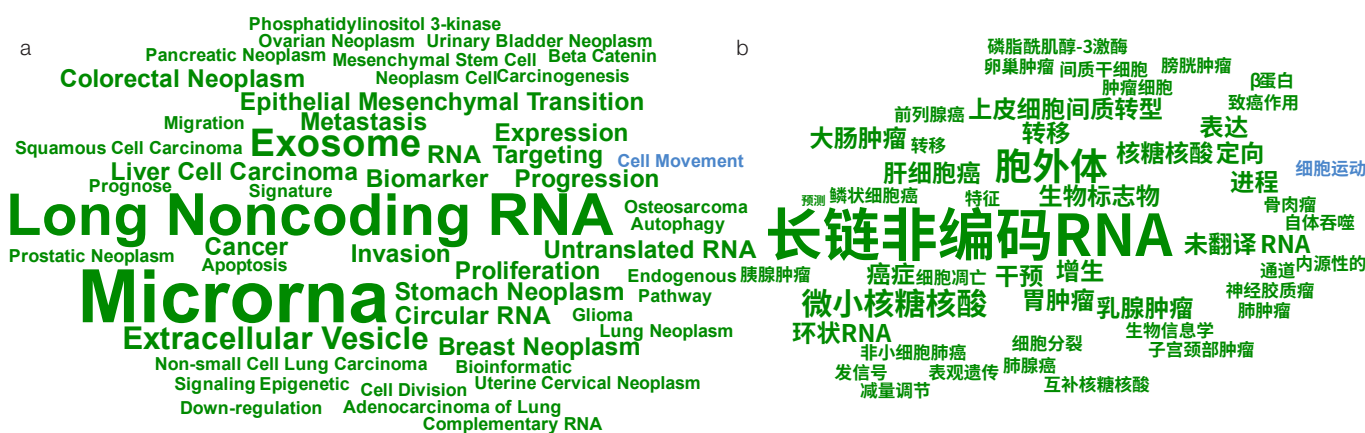


图7 全球“微小核糖核酸、长链非编码RNA、肿瘤”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 7 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “MicroRNAs; Long Untranslated RNA; Neoplasms” (Jan. 1, 2018 to Jun. 23, 2021)

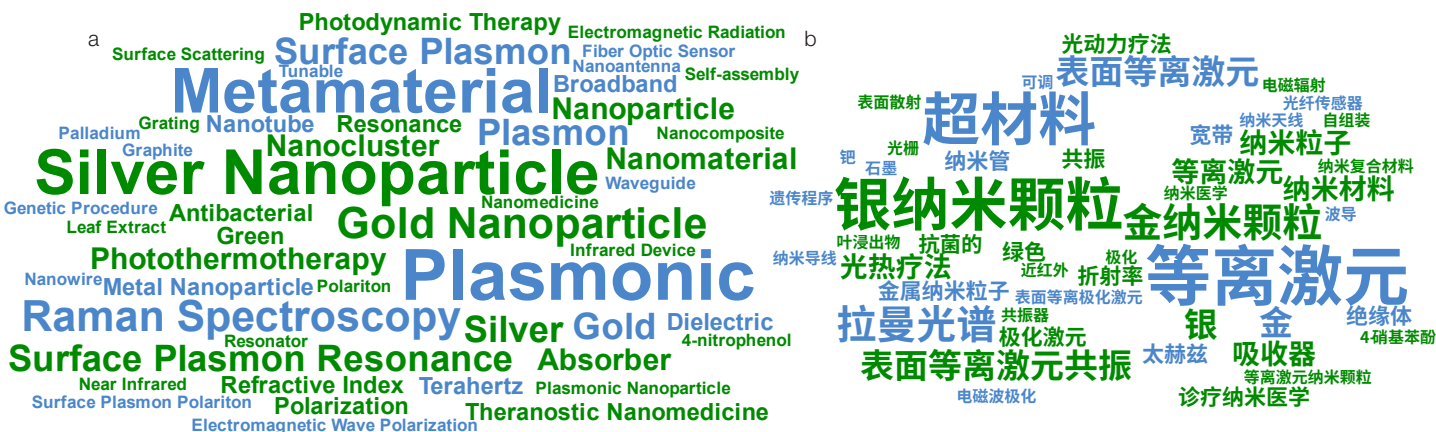


图8 全球“等离子体、超材料、表面等离子共振”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 8 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Plasmons; Metamaterials; Surface Plasmon Resonance” (Jan. 1, 2018 to Jun. 23, 2021)

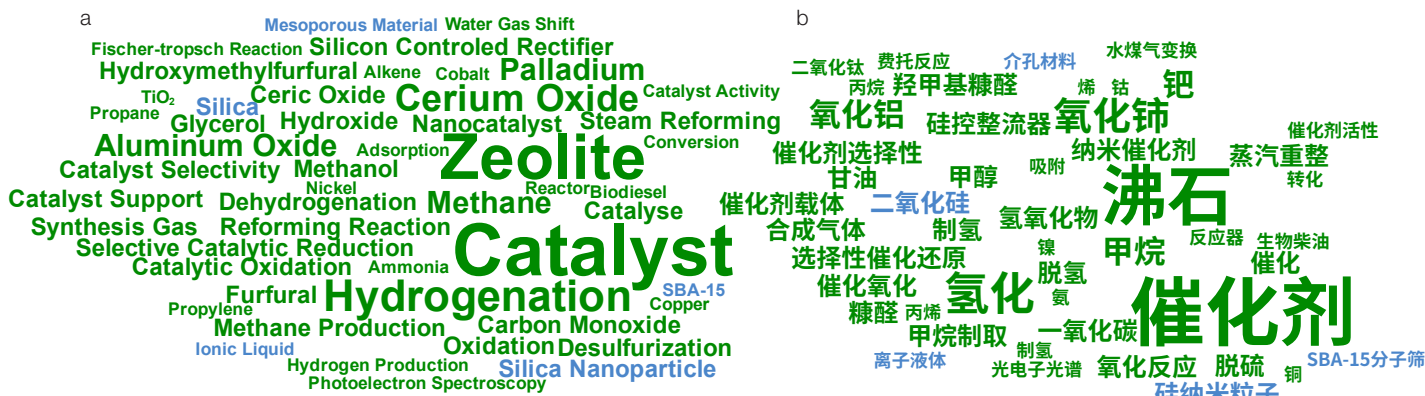


图9 全球“催化剂、沸石、氢化作用”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 9 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Catalysts; Zeolites; Hydrogenation” (Jan. 1, 2018 to Jun. 23, 2021)

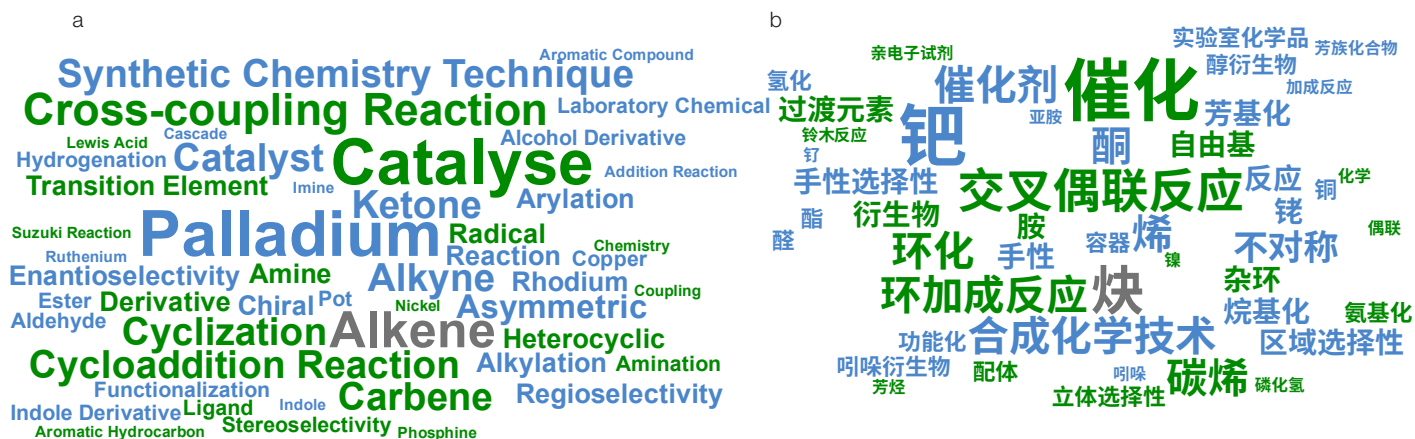


图 10 全球“催化、合成(化学品)、催化剂”话题相关论文(2018年1月1日—2021年6月23日)中的高频词云(a)及对应中文词云(b)

Figure 10 Top 50 key phrases (a) and their Chinese equivalents (b) extracted from papers in the topic of “Catalysis; Synthesis (Chemical); Catalysts” (Jan. 1, 2018 to Jun. 23, 2021)

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