

# Introduction of *Journal of Breast Cancer*

Yongsik Jung

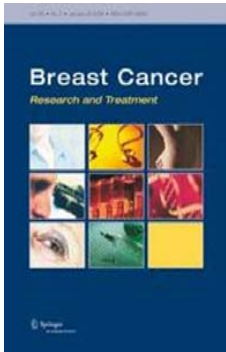
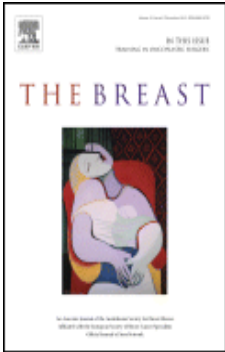
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# Journal of Breast Cancer



**Official journal of the Korean Breast  
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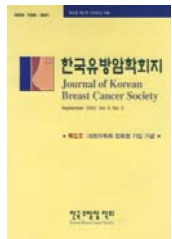
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# History of Journal of Breast Cancer

**Journal of Korean Breast  
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1998

Twice a year

2002

Quarterly

**Journal of  
Breast Cancer**



2005

2008

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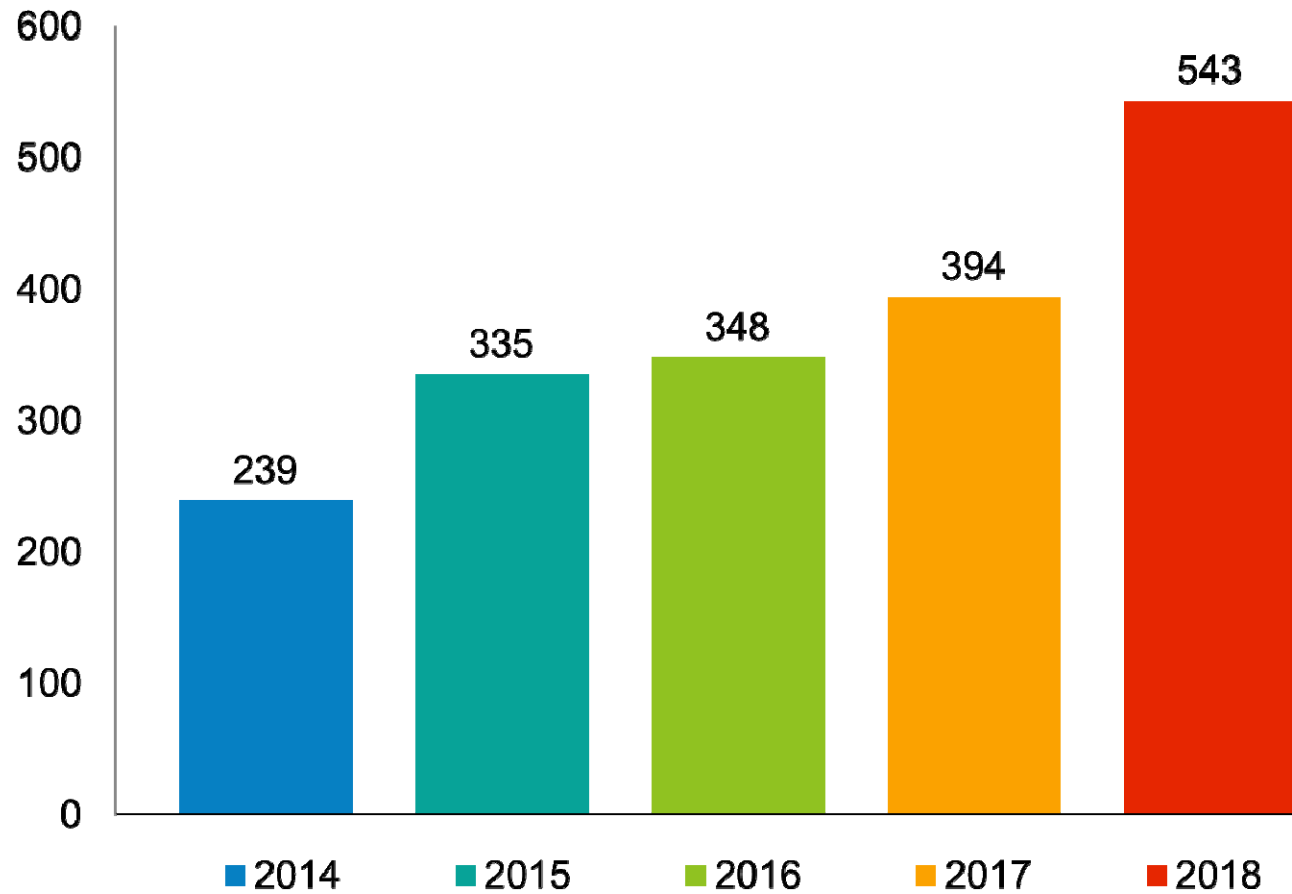
2011



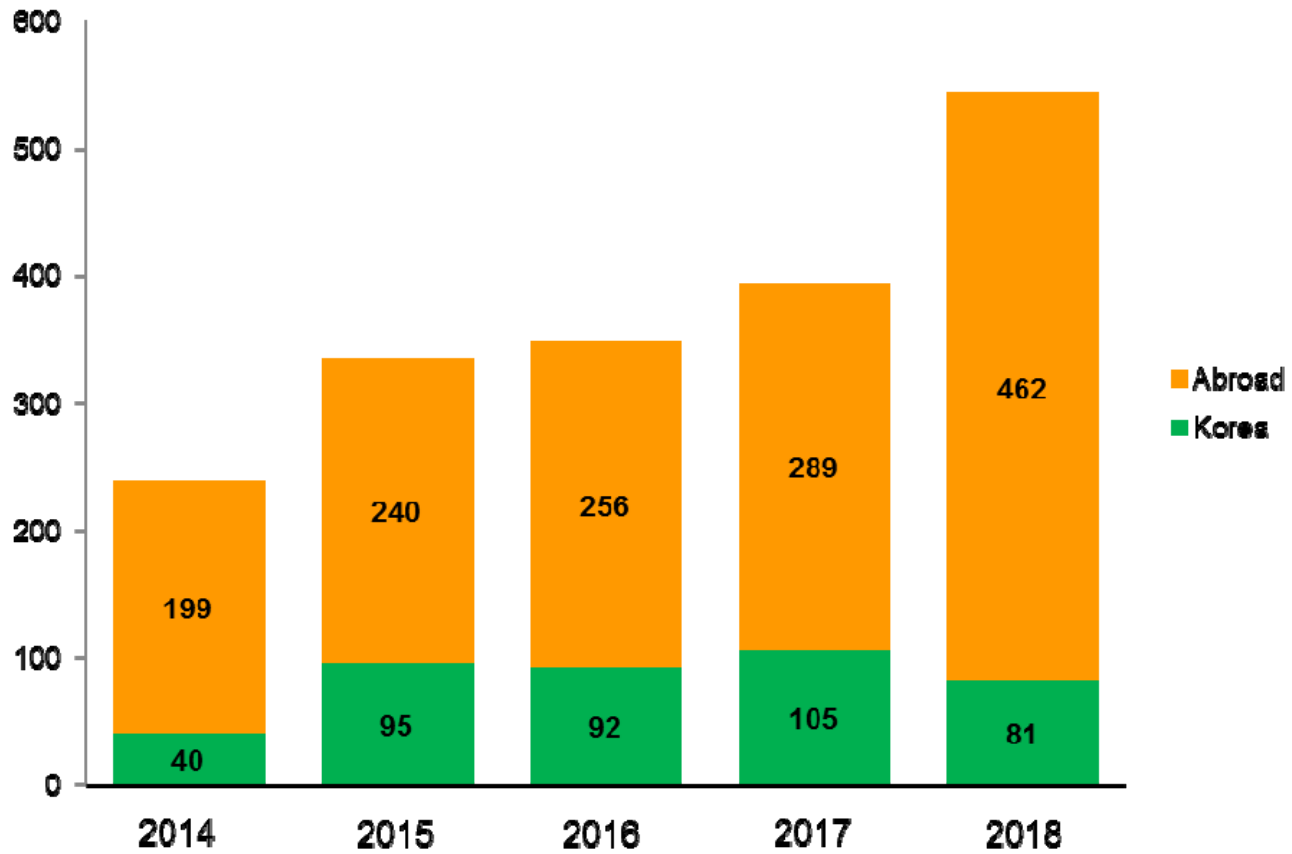
2018

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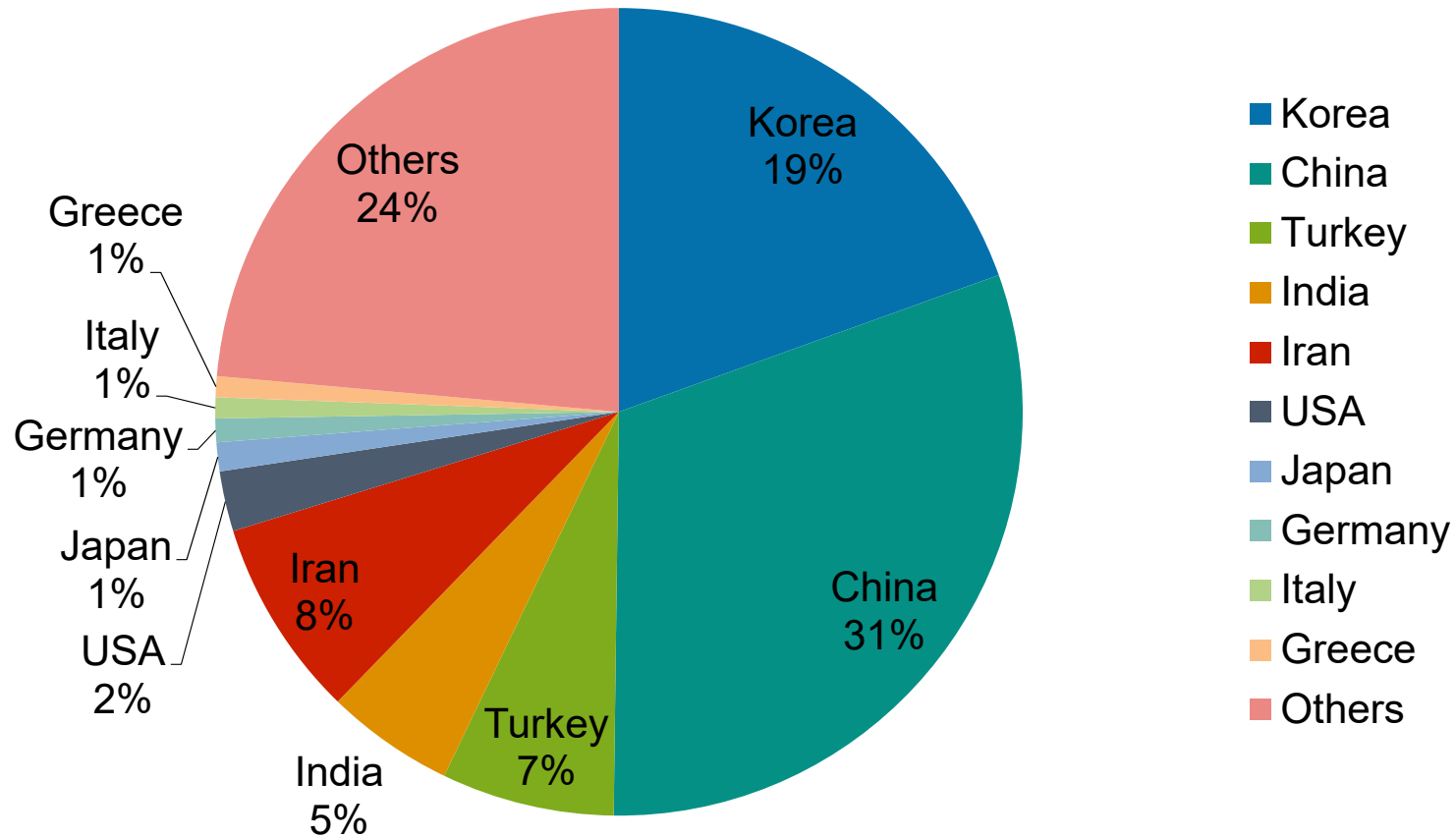
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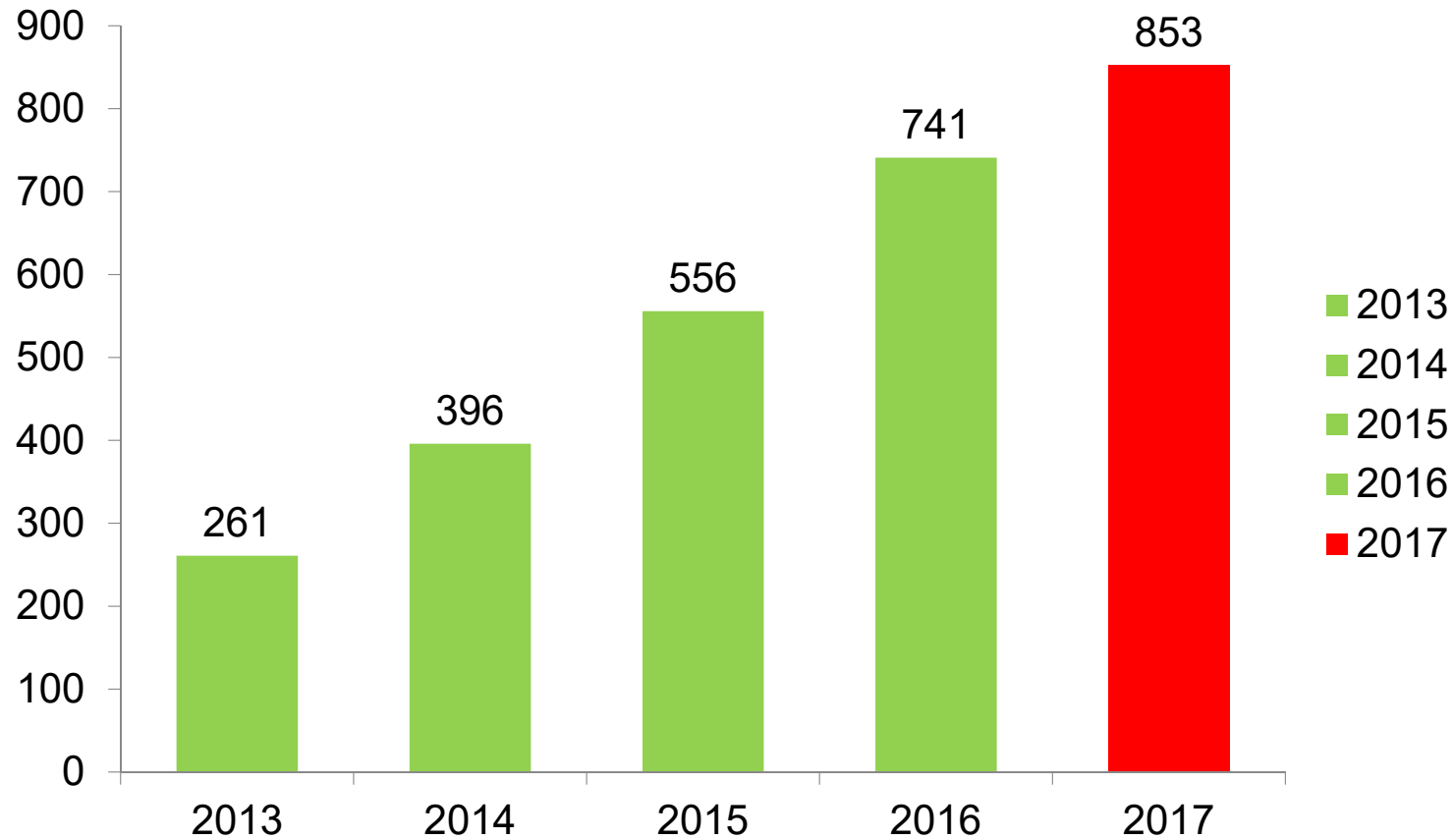


# Submission Rate by Country



# Journal Metrics (JCR)

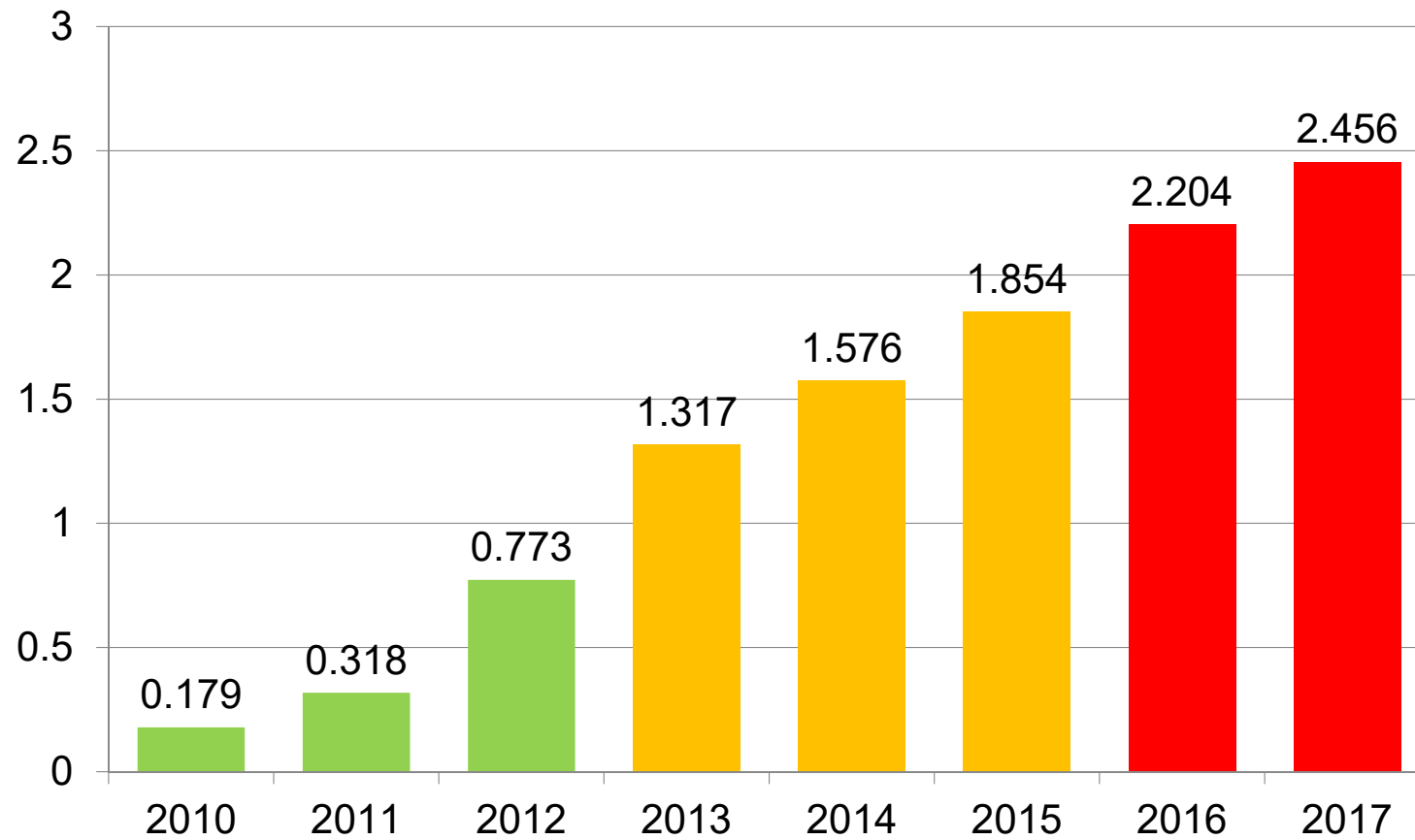
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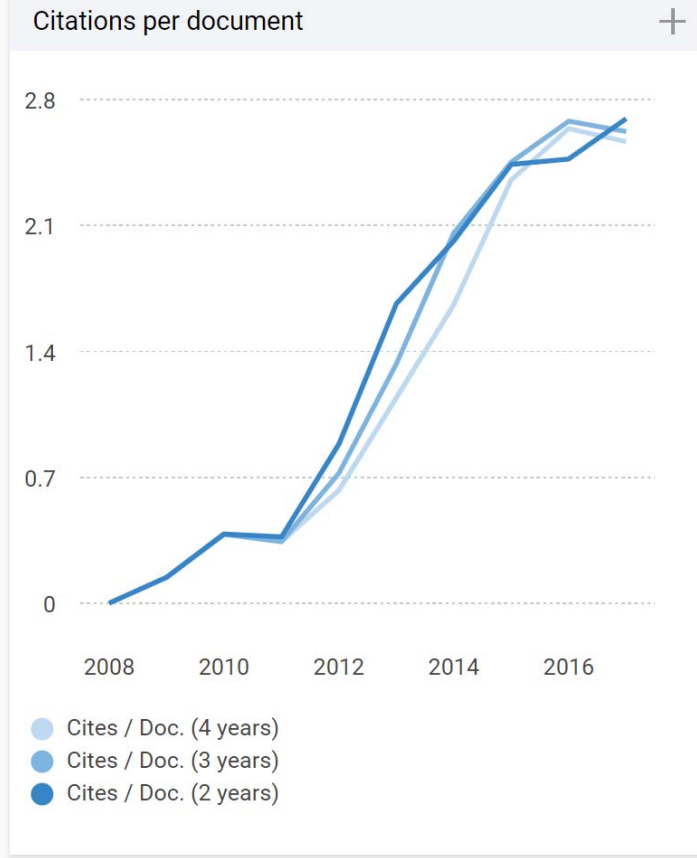
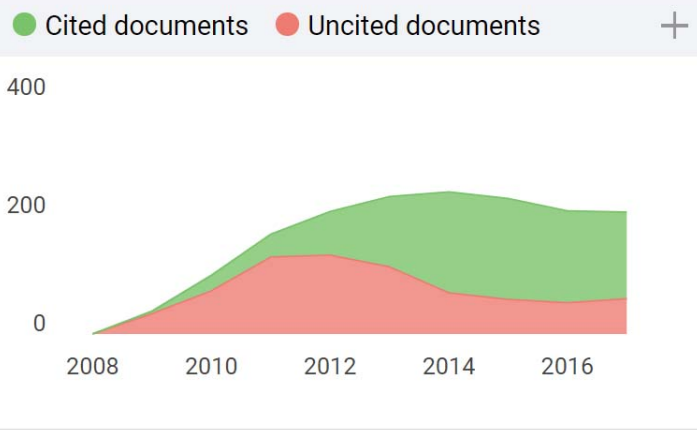
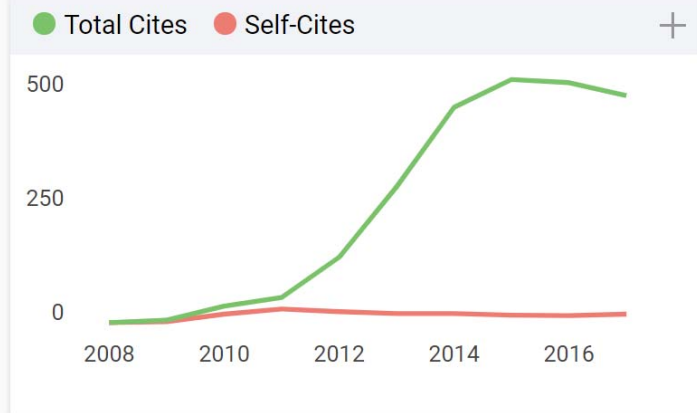


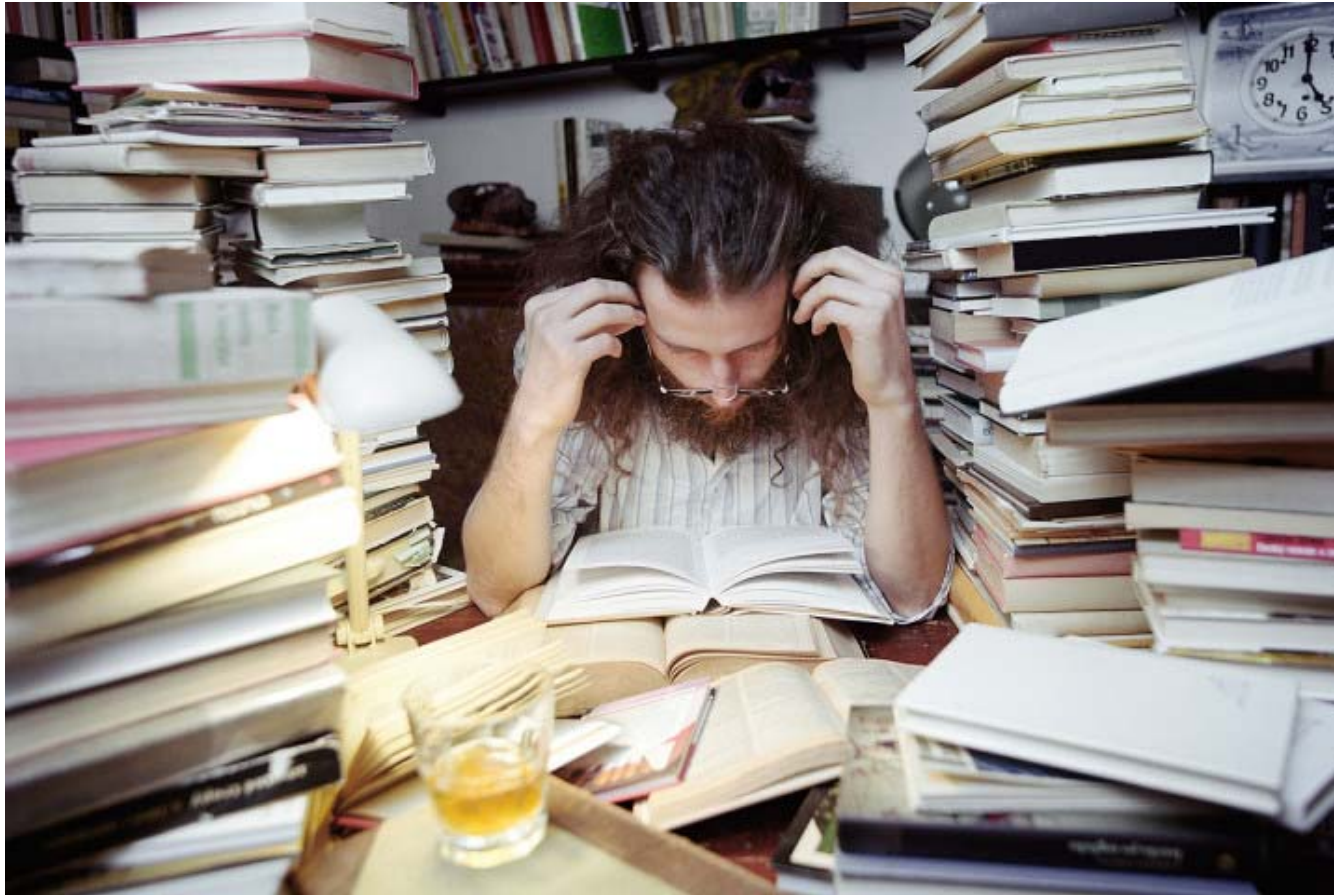
# Journal Metrics (JCR)

## Impact factor



# Journal Metrics (SJR)





# Rejection rate

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Original article: 82%

Case report: 93%

Review article: 70%

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Review Article



## BRCA1 and Breast Cancer: a Review of the Underlying Mechanisms Resulting in the Tissue-Specific Tumorigenesis in Mutation Carriers

Lukas Semmler , Cara Reiter-Brennan, Andreas Klein 



Charité – Universitätsmedizin Berlin, Corporate Member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Institute of Biochemistry, Berlin, Germany

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Accepted: Dec 30, 2018

### ABSTRACT

#### Correspondence to Lukas Semmler

Charité – Universitätsmedizin Berlin,  
Corporate Member of Freie Universität Berlin,  
Humboldt-Universität zu Berlin, and Berlin  
Institute of Health, Charitéplatz 1, Berlin 10117,  
Germany.  
E-mail: Lukas.Semmler@charite.de

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#### ORCID iDs

Lukas Semmler   
<https://orcid.org/0000-0003-2933-7566>  
Andreas Klein   
<https://orcid.org/0000-0002-3496-7215>

#### Conflict of Interest

The authors have declared that they have no competing interests.

#### Author Contributions

Conceptualization: Semmler L, Reiter-Brennan C, Klein A; Project administration: Klein A; Supervision: Klein A; Writing - review & editing: Semmler L, Reiter-Brennan C.

Since the first cloning of *BRCA1* in 1994, many of its cellular interactions have been elucidated. However, its highly specific role in tumorigenesis in the breast tissue—carriers of *BRCA1* mutations are predisposed to life-time risks of up to 80%—relative to many other tissues that remain unaffected, has not yet been fully enlightened. In this article, we have applied a universal model of tissue-specificity of cancer genes to *BRCA1* and present a systematic review of proposed concepts classified into 4 categories. Firstly, tissue-specific differences in levels of *BRCA1* expression and secondly differences in expression of proteins with redundant functions are outlined. Thirdly, cell-type specific interactions of *BRCA1* are presented: its regulation of aromatase, its interaction with Progesterone- and receptor activator of nuclear factor- $\kappa$ B ligand-signaling that controls proliferation of luminal progenitor cells, and its influence on cell differentiation via modulation of the key regulators jagged 1-NOTCH and snail family transcriptional repressor 2. Fourthly, factors specific to the cell-type as well as the environment of the breast tissue are elucidated: distinct frequency of losses of heterozygosity, interaction with X inactivation specific transcript RNA, estrogen-dependent induction of genotoxic metabolites and nuclear factor (erythroid-derived 2)-like 2, and regulation of sirtuin 1. In conclusion, the impact of these concepts on the formation of hormone-sensitive and -insensitive breast tumors is outlined.

**Keywords:** BRCA1 protein; Genes, *BRCA1*; Breast neoplasms; Haploinsufficiency; Organ specificity

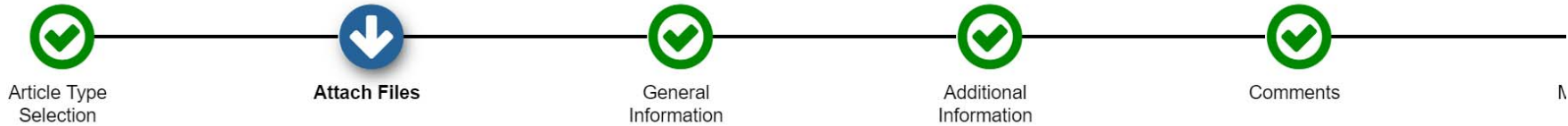
### INTRODUCTION

Breast cancer is the most common type of cancer affecting women (in 154 countries worldwide) and the most frequent cause of cancer mortality in women (in 103 countries worldwide) [1]. More than 2 million women were diagnosed with breast cancer in 2018, and more than half a million women succumbed to the disease [1].

Approximately 10% of the breast cancer cases occur in women who have a first-degree relative with a history of breast cancer [2]. However, underlying inherited gene mutations, that could explain for familial clusters, could only be identified in 20%–25% of these families (genes, that



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**Young Patients with Hormone Receptor-Positive Breast Cancer Have a Higher Long-Term Risk of Breast Cancer Specific Death**

Fu J, Zhong C, Wu L, Li D, Xu T, Jiang T, Yang J, Du J.  
Published online March 11, 2019  
<https://doi.org/10.4048/jbc.2019.22.e13>

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**Review Article** Mar 2019 (v22 n1)

**BRCA1 and Breast Cancer: a Review of the Underlying Mechanisms Resulting in the Tissue-Specific Tumorigenesis in Mutation Carriers**

Semmler L, Reiter-Brennan C, Klein A.  
Published online January 22, 2019  
<https://doi.org/10.4048/jbc.2019.22.e6>

**Original Article** Mar 2019 (v22 n1)

**Pokemon Inhibits Transforming Growth Factor  $\beta$ -Smad4-Related Cell Proliferation Arrest in Breast Cancer through Specificity Protein 1**

Chen L, Zhong J, Liu JH, Liao DF, Shen YY, Zhong XL, Xiao X, Ding WJ, Peng XD, Xiong W, Zu XY.  
Published online February 15, 2019  
<https://doi.org/10.4048/jbc.2019.22.e11>

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5-Year Impact Factor **2.284**

**Original Article** Mar 2019 (v22 n1)

**Circulating Plasmacytoid and Myeloid Dendritic Cells in Breast Cancer Patients: A Pilot Study**

Paek SH, Kim HG, Lee JW, Woo J, Kwon H, Kim JB, Lim W, Kim JR, Moon BI, Paik NS.  
Published online March 18, 2019  
<https://doi.org/10.4048/jbc.2019.22.e15>

**Original Article** Mar 2019 (v22 n1)

**Tumor-Associated Macrophages as Potential Prognostic Biomarkers of Invasive Breast Cancer**

Jeong H, Hwang I, Kang SH, Shin HC, Kwon SY.  
Published online January 02, 2019  
<https://doi.org/10.4048/jbc.2019.22.e5>

**Journal of Breast Cancer**

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## Journals in '*Breast Cancer*' research field

Title	Country	Edition	SCIE Indexed year	Frequency	Publisher	2017 IF
<i>BREAST</i>	England	SCIE	1997	Bimonthly	Elsevier	2.951
<i>BREAST CANCER RES AND TREAT</i>	USA	SCIE	1997	18/year	Springer	3.605
<i>BREAST CANCER RES</i>	England	SCIE	2002	Bimonthly	BMC	6.142
<i>BREAST CARE</i>	Germany	SCIE	2006	Bimonthly	Karger	2.028
<i>BREAST JOURNAL</i>	USA	SCIE	2007	Bimonthly	Wiley	2.424
<i>CLIN BREAST CANCER</i>	USA	SCIE	2008	Bimonthly	Elsevier	2.703
<i>BREAST CANCER</i>	Japan	SCIE	2010	Bimonthly	Springer	1.772
<i>J BREAST CANCER</i>	Korea	SCIE	2010	Quarterly	-	2.456

*Excluding Breastfeeding Medicine, International Breastfeeding Journal*

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