

Nonlinearity

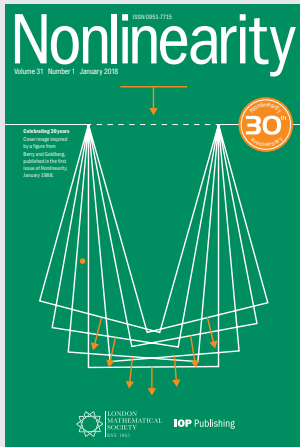
ISSUE 2

Editorial Board Newsletter



LONDON
MATHEMATICAL
SOCIETY
EST. 1865

IOP Publishing



Welcome to issue #2 of our *Nonlinearity* newsletter, and to a new academic year. I hope that colleagues enjoyed a good break over the past few months. Despite our traditional summer (northern hemisphere) lull – characterised by a natural slowing down of submissions and reviewing work – 2018 continues to be a bumper year for the journal. As of August, we have received 497 submissions – higher than the same period in any of the previous five years – and have accepted 135 papers – a balanced number, when compared to previous years.

In addition to organic submissions, we are keen to attract top-quality invited articles on key and current topics in the journal's scope. In this issue of the newsletter we have provided some quick analysis to show the success of previous invited articles. We invite colleagues to continue to work with us to identify topics and authors for new invited articles.

Peer-review times remain at a record low for recent years. Our thanks to Board Members for their continued diligence and collaboration in helping us to provide submitting authors with high-quality reviews in a timely manner. We look forward to finishing the year in the same style!

Best wishes



David Boyt
(david.boyt@iop.org)
on behalf of IOP Publishing

New Editorial Board Members, 2018

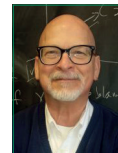
As of September, we are very pleased to welcome the following colleagues to the journal's Editorial Board – effective immediately:



Kuo-Chang Chen
National Tsing Hua
University, Taiwan



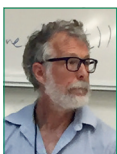
Mark Demers
Fairfield University,
USA



Charles Doering
University of Michigan,
USA



Christian Klein,
Centre National
de la Recherche
Scientifique (CNRS),
France



Richard Montgomery
University of California
Santa Cruz, USA



Mark Pollicott
University of Warwick,
UK



Guido Schneider
Universität Stuttgart,
Germany



Susanna Terracini
Università di Torino,
Italy

We look forward to our collaborations. To note, communications regarding 2019 Editorial Board memberships will be sent out to the relevant colleagues in due course.

Image: Inspired by a figure from Berry and Goldberg, published in the first issue of *Nonlinearity*, January 1988.

2017 Impact Factor analysis

Love it or hate it, as of 2018, the Impact Factor™ remains a widely used metric for assessing the quality of an academic journal. For those of us involved in academic publishing, it is likely that we'll encounter the Impact Factor in some way, shape or form.

In June 2018, Clarivate Analytics announced the 2017 Impact Factors and updated Science Citation Index rankings.

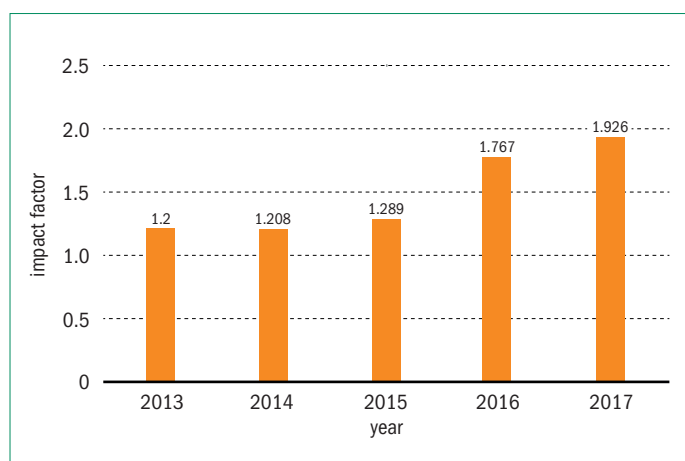
For *Nonlinearity*, Impact Factor and ranking improved, as follows:

	2017	2016
Impact Factor	1.926	1.767
Ranking: 'Physics, Mathematical'	16/55	15/55
Ranking: 'Mathematics, Applied'	33/252	33/255

As we noted in our Impact Factor communications earlier in the year, 2017 was a mixed year for *Nonlinearity's* related titles; some improved their metric: *Chaos* (2.415), *Physica D: Nonlinear Phenomena* (1.960), *Discrete and Continuous Dynamical Systems* (1.179), while others saw a decline: *Physical Review E* (2.284), *SIAM Journal on Applied Dynamical Systems* (1.486).

Impact Factor trend, 2013–17

Here we have taken data from Clarivate's Web of Science to offer some context to *Nonlinearity's* 2017 Impact Factor.



Top 10 publications citing Nonlinearity, 2015–17

The following table shows the top 10 journals that published work citing *Nonlinearity* during 2015–17.

Cites	% of total cites	Publication
102	6%	Nonlinearity
86	5%	Physical Review E
65	4%	Chaos
50	3%	Journal of Differential Equations
40	2%	Journal of Mathematical Analysis and Applications
39	2%	Discrete and Continuous Dynamic Systems
35	2%	Physica D: Nonlinear Phenomena
31	2%	Journal of Mathematical Physics
28	2%	Nonlinear Dynamics
27	2%	Journal of Physics A: Mathematical and Theoretical

Top 10 cited articles, 2015–16

Citations to articles published in 2015 and 2016 i.e. those that contributed to the 2017 Impact Factor.

Volume	Issue	Article title	Author(s)	Citations (as of 2017)
28	3	Chimera states: coexistence of coherence and incoherence in networks of coupled oscillators	M J Panaggio and D M Abrams	204
29	3	Inverse scattering transform for the integrable nonlocal nonlinear Schrödinger equation	M J Ablowitz and Z H Musslimani	53
28	7	Superlinear nonlocal fractional problems with infinitely many solutions	Z Binlin, G M Bisci and R Servadei	38
29	7	On various definitions of shadowing with average error in tracing	XX Wu, P Oprocha and G R Chen	33
28	9	Darboux transformation and multi-dark soliton for N -component nonlinear Schrödinger equations	L M Ling, L C Zhao and B L Guo	33
28	8	Integrable turbulence and formation of rogue waves	D S Agafontsev and V E Zakharov	33
28	6	Ground states and concentration phenomena for the fractional Schrödinger equation	M M Fall, F Mahmoudi and E Valdinoci	32
28	6	The boundedness-by-entropy method for cross-diffusion systems	A Jungel	30
29	2	Integrable multidimensional versions of the nonlocal nonlinear Schrödinger equation	A S Fokas	29
29	2	Infinitely many solutions for the stationary Kirchhoff problems involving the fractional p -Laplacian	M Q Xiang, G M Bisci, G H Tian and B L Zhang	28

Profiling Invited Articles, 2016–17

To illustrate the importance of invited articles to the journal, we have selected some recent examples and included relevant metrics. In most cases, Board Member involvement was instrumental in either authoring and/or securing these contributions.

- [Please continue to share ideas for topics and authors for Invited Articles.](#)

Title: Chimera states: coexistence of coherence and incoherence in networks of coupled oscillators

Authors: Mark J Panaggio and Daniel M Abrams

Volume, issue: 28:3 (2015)

Usage (since publication): 1170 downloads

Citations (SCI): 213

Title: Identical synchronization of nonidentical oscillators: when only birds of different feathers flock together

Authors: Yuanzhao Zhang and Adilson E Motter

Volume, issue: 31:7 (2018)

Usage (since publication): 196 downloads

Citations (SCI): 2

Title: Advances in the study of boundary value problems for nonlinear integrable PDEs

Author: Beatrice Pelloni

Volume, issue: 28:2 (2015)

Usage (since publication): 255 downloads

Citations (SCI): 9

Title: The mathematics behind chimera states

Author: Oleh E Omel'chenko

Volume, issue: 31:5 (2018)

Usage (since publication): 185 downloads

Citations (SCI): 3

Title: Edge states in the climate system: exploring global instabilities and critical transitions

Authors: Valerio Lucarini and Tamas Bodai

Volume, issue: 30:7 (2017)

Usage (since publication): 987 downloads

Citations (SCI): 4

To note, one of the authors of the paper, Professor Valerio Lucarini, will be giving a presentation as part of a special screening of the film, *Melancholia*, directed by Lars von Trier, the subject of which relates directly to the invited article. For anyone interested in attending, the screening is taking place at the Barbican Centre in London on Thursday 13 November. Tickets are available [here](#). IOP Publishing's journalism team will be interviewing the author for a piece to be published in *Physics World*.