

Fisa privind Standardele Minimale pe Domenii ale Universitatii **EUGEN VARVARUCA**

Nr.	Articol, referinta bibliografica	Scorul Relativ de Influenta (SRI) al revistei	Numarul de autori (N)	Punctaj SRI/N
1	Global bifurcation of steady gravity water waves with critical layers By: Constantin, Adrian; Strauss, Walter; Varvaruca, Eugen ACTA MATHEMATICA Volume: 217 Issue: 2 Pages: 195-262 Published: DEC 2016	8.363	3	2.787
2	Singularities in Axisymmetric Free Boundaries for ElectroHydroDynamic Equations By: Garcia, Mariana Smit Vega; Varvaruca, Eugen; Weiss, Georg S. ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS Volume: 222 Issue: 2 Pages: 573-601 Published: NOV 2016	5.161	3	1.720
3	Singularities of Steady Axisymmetric Free Surface Flows with Gravity By: Varvaruca, Eugen; Weiss, Georg S. COMMUNICATIONS ON PURE AND APPLIED MATHEMATICS Volume: 67 Issue: 8 Pages: 1263-1306 Published: AUG 2014	7.553	2	3.776

4	<p>The Stokes conjecture for waves with vorticity By: Varvaruca, Eugen; Weiss, Georg S. ANNALES DE L INSTITUT HENRI POINCARÉ-ANALYSE NON LINEAIRE Volume: 29 Issue: 6 Pages: 861-885 Published: NOV-DEC 2012</p>	3.543	2	1.771
5	<p>Equivalence of weak formulations of the steady water waves equations By: Varvaruca, Eugen; Zarnescu, Arghir PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES Volume: 370 Issue: 1964 Special Issue: SI Pages: 1703-1719 Published: APR 13 2012</p>	2.500	2	1.250
6	<p>A geometric approach to generalized Stokes conjectures By: Varvaruca, Eugen; Weiss, Georg S. ACTA MATHEMATICA Volume: 206 Issue: 2 Pages: 363-403 Published: JUN 2011</p>	8.363	2	4.181
7	<p>Steady Periodic Water Waves with Constant Vorticity: Regularity and Local Bifurcation By: Constantin, Adrian; Varvaruca, Eugen ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS Volume: 199 Issue: 1 Pages: 33-67 Published: JAN 2011</p>	5.161	2	2.580
8	<p>On the existence of extreme waves and the Stokes conjecture with vorticity By: Varvaruca, Eugen JOURNAL OF DIFFERENTIAL EQUATIONS Volume: 246 Issue: 10 Pages: 4043-4076 Published: MAY 15 2009</p>	2.403	1	2.403

9	Bernoulli free-boundary problems in strip-like domains and a property of permanent waves on water of finite depth By: Varvaruca, Eugen PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS Volume: 138 Pages: 1345-1362 Published: 2008	1.796	1	1.796
10	On some properties of traveling water waves with vorticity By: Varvaruca, Eugen SIAM JOURNAL ON MATHEMATICAL ANALYSIS Volume: 39 Issue: 5 Pages: 1686-1692 Published: 2008	2.384	1	2.384
11	Some geometric and analytic properties of solutions of Bernoulli free-boundary problems By: Varvaruca, Eugen INTERFACES AND FREE BOUNDARIES Volume: 9 Issue: 3 Pages: 367-381 Published: 2007	1.482	1	1.482
12	Singularities of Bernoulli free boundaries By: Varvaruca, Eugen COMMUNICATIONS IN PARTIAL DIFFERENTIAL EQUATIONS Volume: 31 Issue: 10 Pages: 1451-1477 Published: OCT 2006	2.927	1	2.927
13	Exact rates of convergence as $t \rightarrow +\infty$ for solutions of nonlinear evolution equations By: Varvaruca, E JOURNAL OF EVOLUTION EQUATIONS Volume: 4 Issue: 4 Pages: 543-565 Published: 2004	1.212	1	1.212

Nota: Am folosit pentru revistele mai sus mentionate cele mai recente scoruri relative de influenta (JCR 2018, editia iunie 2019): <https://uefiscdi.ro/scientometrie-baze-de-date>

Indicatori bibliometrici comisia CNATDCU (cf. Anexa OM 6129/20.12.2016)

S= 30.269

S_{recent} = 8.283 (calculat luand in considerare lucrarile 1.-3. publicate in perioada 2013 - 2019)

Citari excluzand autocitari : 288 (potrivit bazei de date Web of Science la data de 03/01/2020) .

Indicam in cele ce urmeaza o **selectie de 30 de lucrari publicate in reviste cu SRI cel putin 0.5** care citeaza lucrarea *Steady Periodic Water Waves with Constant Vorticity: Regularity and Local Bifurcation* By: Constantin, Adrian; Varvaruca, Eugen
ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS Volume: 199 Issue: 1 Pages: 33-67 Published: JAN 2011

[Trimodal Steady Water Waves](#), By: Ehrnstrom, Mats; Wahlen, Erik, *ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS* Volume: 216 Issue: 2 Pages: 449-471 Published: MAY 2015;
SRI:6.04

[Analyticity of the streamlines and of the free surface for periodic equatorial gravity water flows with vorticity](#), By: Martin, Calin Iulian, *NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS* Volume: 21 Pages: 27-33 Published: FEB 2015 **SRI: 1.407**

[Dispersion Equation for Water Waves with Vorticity and Stokes Waves on Flows with Counter-Currents](#), By: Kozlov, Vladimir; Kuznetsov, Nikolay, *ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS* Volume: 214 Issue: 3 Pages: 971-1018 Published: DEC 2014 **SRI 6:04**

[Capillary-Gravity Water Waves with Discontinuous Vorticity: Existence and Regularity Results](#), By: Maticiuc, Anca-Voichita; Maticiuc, Bogdan-Vasile, *COMMUNICATIONS IN MATHEMATICAL PHYSICS* Volume: 330 Issue: 2 Pages: 859-886 Published: SEP 2014 **SRI:2.917**

[SMALL-AMPLITUDE EQUATORIAL WATER WAVES WITH CONSTANT VORTICITY: DISPERSION RELATIONS AND PARTICLE TRAJECTORIES](#), By: Ionescu-Kruse, Delia; Maticiuc, Anca-Voichita, *DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS* Volume: 34 Issue: 8 Special Issue: SI Pages: 3045-3060 Published: AUG 2014 **SRI: 1.588**

[PARTICLE TRAJECTORIES IN EXTREME STOKES WAVES OVER INFINITE DEPTH](#), By: Lyons, Tony, *DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS* Volume: 34 Issue: 8 Special Issue: SI Pages: 3095-3107 Published: AUG 2014 **SRI:1.588**

[DISPERSION RELATIONS FOR PERIODIC WATER WAVES WITH SURFACE TENSION AND DISCONTINUOUS VORTICITY](#), By: Martin, Calin Iulian, *DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS* Volume: 34 Issue: 8 Special Issue: SI Pages: 3109-3123 Published: AUG 2014 **SRI: 1.588**

[A CHARACTERIZATION OF THE SYMMETRIC STEADY WATER WAVES IN TERMS OF THE UNDERLYING FLOW](#), By: Matic, Bogdan-Vasile, DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS Volume: 34 Issue: 8 Special Issue: SI Pages: 3125-3133 Published: AUG 2014 **SRI:1.588**

[PRESSURE BENEATH A TRAVELING WAVE WITH CONSTANT VORTICITY](#), By: Vasan, Vishal; Oliveras, Katie DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS Volume: 34 Issue: 8 Special Issue: SI Pages: 3219-3239 Published: AUG 2014 **SRI:1.588**

[Steady water waves with vorticity: an analysis of the dispersion equation](#), By: Kozlov, V.; Kuznetsov, N.; Lokharu, E. JOURNAL OF FLUID MECHANICS Volume: 751 Article Number: R3 Published: JUL 2014 **SRI:2.250**

[Non-existence of three-dimensional travelling water waves with constant non-zero vorticity](#), By: Wahlen, E., JOURNAL OF FLUID MECHANICS Volume: 746 Article Number: R2 Published: MAY 2014 **SRI: 2.250**

[Fully nonlinear long-wave models in the presence of vorticity](#), By: Castro, Angel; Lannes, David, JOURNAL OF FLUID MECHANICS Volume: 759 Published: 2014 **SRI: 2.250**

[Steady water waves with vorticity: spatial Hamiltonian structure](#), By: Kozlov, Vladimir; Kuznetsov, Nikolay JOURNAL OF FLUID MECHANICS Volume: 733 Article Number: R1 Published: OCT 2013 **SRI:2.250**

[Particle trajectories for waves on a linear shear current](#), By: Hsu, Hung-Chu, NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS Volume: 14 Issue: 5 Pages: 2013-2021 Published: OCT 2013 **SRI: 1.417**

[Dispersion relations for steady periodic water waves with an isolated layer of vorticity at the surface](#), By: Henry, David, NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS Volume: 14 Issue: 2 Pages: 1034-1043 Published: APR 2013 **SRI:1.417**

[Local bifurcation and regularity for steady periodic capillary-gravity water waves with constant vorticity](#), By: Martin, Calin Iulian, NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS Volume: 14 Issue: 1 Pages: 131-149 Published: FEB 2013, **SRI: 1.417**

[DISPERSION RELATIONS FOR PERIODIC TRAVELING WATER WAVES IN FLOWS WITH DISCONTINUOUS VORTICITY](#), By: Constantin, Adrian COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1397-1406 Published: JUL 2012 **SRI:1.170**

[ON THE REGULARITY OF STEADY PERIODIC STRATIFIED WATER WAVES](#), By: Henry, David; Matic, Bogdan-Vasile, COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1453-1464 Published: JUL 2012 **SRI:1.170**

[ELLIPTIC AND HYPERELLIPTIC FUNCTIONS DESCRIBING THE PARTICLE MOTION BENEATH SMALL-AMPLITUDE WATER WAVES WITH CONSTANT VORTICITY](#), By: Ionescu-Kruse, Delia COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1475-1496 Published: JUL 2012 **SRI:1.170**

[A SELECTION OF NONLINEAR PROBLEMS IN WATER WAVES, ANALYSED BY PERTURBATION-PARAMETER TECHNIQUES](#), By: Johnson, R. S. COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1497-1522 Published: JUL 2012 **SRI:1.170**

[ON ISOLATED VORTICITY REGIONS BENEATH THE WATER SURFACE](#), By: Mustafa, Octavian G. COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1523-1535 Published: JUL 2012 **SRI:1.170**

[EFFECTS OF SHEAR FLOW ON KDV BALANCE - APPLICATIONS TO TSUNAMI](#), By: Stuhlmeier, Raphael, COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1549-1561 Published: JUL 2012 **SRI:1.170**

[ON THE SYMMETRY OF STEADY PERIODIC WATER WAVES WITH STAGNATION POINTS](#), By: Tulzer, Gerhard, COMMUNICATIONS ON PURE AND APPLIED ANALYSIS Volume: 11 Issue: 4 Pages: 1577-1586 Published: JUL 2012 **SRI:1.170**

[Theoretical and experimental study of particle trajectories for nonlinear water waves propagating on a sloping bottom](#), By: Chen, Yang-Yih; Li, Meng-Syue; Hsu, Hung-Chu; et al., PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES Volume: 370 Issue: 1964 Special Issue: SI Pages: 1543-1571 Published: APR 13 2012 **SRI:2.694**

[Regularity of rotational travelling water waves](#), By: Escher, Joachim, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES Volume: 370 Issue: 1964 Special Issue: SI Pages: 1602-1615 Published: APR 13 2012 **SRI:2.694**

[Regularity for steady periodic capillary water waves with vorticity](#), By: Henry, David, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES Volume: 370 Issue: 1964 Special Issue: SI Pages: 1616-1628 Published: APR 13 2012 **SRI:2.694**

[Models for the formation of a critical layer in water wave propagation](#), By: Johnson, R. S. PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES Volume: 370 Issue: 1964 Special Issue: SI Pages: 1638-1660 Published: APR 13 2012 **SRI:2.694**

[Trajectories of fluid particles in a periodic water wave](#), By: Okamoto, Hisashi; Shoji, Mayumi, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES Volume: 370 Issue: 1964 Special Issue: SI Pages: 1661-1676 Published: APR 13 2012 **SRI:2.694**

[Periodic Traveling Gravity Water Waves with Discontinuous Vorticity](#), By: Constantin, Adrian; Strauss, Walter, ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS Volume: 202 Issue: 1 Pages: 133-175 Published: OCT 2011 **SRI: 6.04**

[STEADY WATER WAVES WITH MULTIPLE CRITICAL LAYERS](#), By: Ehrnstroem, Mats; Escher, Joachim; Wahlen, Erik, SIAM JOURNAL ON MATHEMATICAL ANALYSIS Volume: 43 Issue: 3 Pages: 1436-1456 Published: 2011 **SRI: 2.567**