CURRICULUM VITAE
I.R. YOUNG AO

FULL NAME: Ian Robert YOUNG

POSITION: Professorial Fellow (Honorary)
The University of Melbourne

ADDRESS: Department of Infrastructure Engineering
Melbourne School of Engineering
The University of Melbourne
VIC 3010 Australia

DATE & PLACE OF BIRTH: 17 January, 1957 at Cunnamulla, Qld, Australia

MARITAL STATUS: Married, 1 Child

ACADEMIC QUALIFICATIONS:

B.E.(Hons), 1979 in Civil Engineering from James Cook University, Townsville.

M.Eng.Sc., 1982 in Coastal Engineering from James Cook University, Townsville.

Ph.D., 1984 in Coastal Engineering from James Cook University, Townsville.

PROFESSIONAL QUALIFICATIONS:

Honorary Fellow, Institution of Engineers, Australia.

Fellow, Academy of Technological Science and Engineering.

Member, American Geophysical Union.

Chartered & Registered Professional Engineer (CPEng, NPER).

AWARDS:

Honorary Doctorate (honoris causa), James Cook University, 2021

Kevin Stark Medal for excellence in Coastal and Ocean Engineering, 2017

Officer in the General Division of the Order of Australia, AO, 2012

National Medal for contributions to Education – Government of Vietnam, 2012

Engineers Australia – Top 100 most influential Engineers – 2006 – present.

Centenary Medal of Australia for Services to Australian Society, 2003.

Lorenz G. Straub Medal for research in Hydraulic Engineering, U.S.A., 1986.

Queen's Fellowship in Marine Science, 1984.

Institution of Engineers, Australia, Charles N. Barton Medal, 1979.

PROFESSIONAL EXPERIENCE:

February 2016 – February 2020 -
Kernot Professor of Engineering
The University of Melbourne

March 2011 – February 2016 -
Vice-Chancellor and President
The Australian National University

December 2003 – February 2011 -
Vice-Chancellor and President
Swinburne University of Technology

May 2001 to December 2003 –
Pro Vice-Chancellor (International), University of Adelaide. This position was held concurrently with that of Executive Dean.

January 1999 to December 2003 –
Executive Dean, Faculty of Engineering, Computer & Mathematical Sciences, University of Adelaide.

October, 1998 to December, 1998 -
Acting Rector, University College ADFA, University of NSW.

November, 1996 to December, 1998 -
Deputy Rector, University College ADFA, University of NSW.

September, 1994 to December 1998 -
Professor of Civil Engineering and Head School of Civil Engineering, University College ADFA, University of NSW.

December 1989 to June 1990 -
Humboldt Fellow, Max-Planck-Institut fur Meteorologie, Hamburg, West Germany.

July 1986 to September, 1994 -
Lecturer & Senior Lecturer, Dept. Civil & Maritime Engineering, University College ADFA, University of NSW.

May 1984 to February 1986 -
Queen's Fellow in Marine Science, James Cook University.

May 1983 to May 1984 -
Research Scientist, Max-Planck-Institut fur Meteorologie, Hamburg, West Germany.

October 1981 to May 1983 -
Research Officer,
Department of Civil and Systems Engineering,
James Cook University

March 1981 to May 1981 -
Visiting Research Scientist, Ocean Surface Microstructure Group, Jet Propulsion Laboratory, Pasadena, California, USA.

COMMITTEE, EDITORIAL AND BOARD MEMBERSHIP:

Current Boards/Committees:

- Chair – VerNet Pty Ltd
- Chair - Cloud Campus Pty Ltd
- Director, Cluey Ltd
- Director, International Centre for Democratic Partnerships
- Member, Singapore Quality Assurance for Universities, Expert Review Panel – 2016 - 2023.

Previous Boards/Committees 1998 – 2020:

- Director Melbourne University Publishing Pty Ltd
- Chair – Group of Eight Universities
- Board Member – AARNet Pty Ltd
- Board Member – edX University Advisory Board
- Board Member and Deputy Chair – Universities Australia
- Member – Ministerial Advisory Committee on Education Deregulation (advising Minister Pyne)
- Chair – Universities Australia – AQFC Liaison Committee
- Universities Australia, Lead Vice-Chancellor, Academic
- Chair – ACT Learning Capital Council
- Founded Online Education Services – Online education company as a Joint venture between Seek Ltd and Swinburne University.
- Member – Higher Education Research Reference Group (HERRC) to the Minister for Innovation, Industry, Science & Research
- Member – Advisory Committee of the Australian Research Council

- President, Education Australia Ltd.
- Board Member – IDP Education Pty. Ltd.
- Board Member – Open Universities Australia Ltd.
- Member – Australian Qualifications Framework Council (appointed by MCTEE)
- Chair, Victorian Vice-Chancellor's Committee
- Board Member – Swinburne Sarawak Pty Ltd
- Board Member – Business-Higher Education Round Table
- Board Member – Vic. Education Research Network (VERNet)
- Vice-President, Australian Higher Education Industrial Assoc. (AHEIA)
- Board Member, Universities Australia
- Member – Ministerial (Federal) advisory group on Bologna process
- Chair, South Australian Centre for Parallel Computing
- Chair, South Australian Coast Protection Board
- Board Member, CRC for Sensor Signal and Information Processing
- Board Member, CRC for Welded Structures
- Board Member, CRC for Clean Power from Lignite
- Board Member, Luminis Pty Ltd
- Board Member, Ngee Ann-Adelaide Education Centre, Singapore
- Member, U.S. Navy Technical Advisory Committee
- Member, Institution of Engineers, Australia - National Committee on Coastal & Ocean Engineering.
- Member, BHP Petroleum, Oceanographic Audit Committee.

Editorial Board Membership 1997 – present:

- "Coastal Engineering" - Elsevier
- "Applied Ocean Research" – Elsevier
- "Nature" – Reader Advisory Panel

RESEARCH INTERESTS:

Theoretical/numerical and experimental aspects of wind waves.
Climate and Climate change
Experimental fluid mechanics.
Ocean remote sensing.
Coastal processes.
Shallow water waves.

CONSULTING EXPERIENCE:

Extensive consulting experience in the Coastal and Ocean Engineering Industry, for companies including:

- NASA, USA
- Woodside Offshore Petroleum
- BHP Petroleum
- Chevron Oil, USA
- HESS Corporation, UK
- Santos Ltd

- Bureau of Meteorology, Australia
- Det Norske Veritas
- Meijillones Port Project - Chile
- London Offshore Consultants Ltd.
- Blain, Bremner & Williams Pty. Ltd.
- Steedman Ltd.
- Public Works Dept., N.S.W.
- America's Cup Taskforce Syndicate
- Macdonald Wagner Pty. Ltd.
- Australian Construction Services
- Cockburn Cement Ltd.
- Kenmare Resource Plc.

RESEARCH FUNDS: See following tables.

EXTERNAL FUNDING 1985-1990

PROJECT	GRANTING BODY	1985	1986	1987	1988	1989	1990
Physical Oceanography of Yonge Reef	Great Barrier Reef Marine Park Auth. James Cook Univ. Special Rsh. Grant	3,500 10,000					
Wave Current Interaction	UNSW Special Research Grant		10,000	9,000			
Development of a Directional Wave Recorder	Unisearch, Applied Research Grant			7,000			
Wave Transformation in the Great Barrier Reef	A.R.C.			94,500	72,380	75,000	
Development of a Refraction/Diffraction Wave Model	A.R.C. National Research Fellowship				28,000	28,000	28,000
Remote Sensing of Hurricane Waves	A.R.C.					19,930	

EXTERNAL FUNDING 1991-1996

PROJECT	GRANTING BODY	1991	1992	1993	1994	1995	1996
The Evolution of Wind Generated Waves in Water of Finite Depth	A.R.C.	87,000	66,200	49,600	70,000	58,000	52,540
Waves from Space (Joint with Syd. Univ.)	DITAC, GIRD Grant	400,000	300,000	300,000			
The Evolution of Wind Generated Ocean Waves	DITAC, Bilateral S and T	4,970					
Satellite Imagery of Reef Jets	University College SRG	3,200					
The Numerical Evaluation of Wind-Wave Dissipation	A.R.C.		21,000	12,000			
Severe Weather Sea State Prediction for Offshore Industries	DITARD, Int. S & T Program			16,000			
Infragravity Waves on Beaches and Coral Reefs	A.R.C.			16,000	25,000	24,000	
A Joint Study of the Evolution of Wind Generated Waves	University College Rector's SRG			2,750			

EXTERNAL FUNDING 1995-2000

PROJECT	GRANTING BODY	1995	1996	1997	1998	1999	2000
Ocean-Atmosphere Measurements for MCTEX	Bureau of Meteorology National Research Vessel Grant	20,000 140,000					
Development of a Shallow Water Wave Model	A.R.C.		9,000	8,000	8,000		
Civil Engineering LAN Upgrade	A.R.C. Infrastructure Grant		25,000				
Physics of Shallow Water Wind Wave Development	DIST Bilateral S & T Grant			7,000			
Source Term Balance for Finite Depth Waves	US Office of Naval Research			191,385	147,197	156,804	99,632
Development of an Environmental Engineering Electronic Text	CAUT			29,600			
Properties of Shoaling Ocean Waves (joint with Univ. of Miami)	US Office of Naval Research		890,624	635,110	891,710	576,720	496,222
Development of a High Performance Computing Facility	UNSW				400,000		

EXTERNAL FUNDING 2001-2006

PROJECT	GRANTING BODY	2001	2002	2003	2004	2005	2006
Wave transformations and bed friction associated with inter-tidal sand banks	A.R.C. SPIRT	22,292	22,292	22,292			
Modelling ocean waves in coastal water – A new approach (A00102965)	A.R.C.	65,949	67,743	62,383			
Modeling finite depth wind wave dissipation	US Office of Naval Research	80,000	80,000				
Petroleum Engineering Education	DETYA, Science Lectureship Grant		429,605	429,588	454,555		
Sea state impact on of moored offshore structures (DP0344196)	A.R.C. Discovery			52,000	68,000	93,000	61,000

EXTERNAL FUNDING 2008-2013

PROJECT	GRANTING BODY	2008	2009	2010	2011	2012	2013
A global satellite altimeter database for ocean engineering (LP0882422)	A.R.C. Linkage	125,000	95,000	95,000			
Oceanic conditions within extreme tropical cyclones (LP0883888)	A.R.C. Linkage	411,000	217,000	132,000	50,000		
Numerical modelling of extreme waves generated by tropical cyclones (DP1093349)	A.R.C. Discovery			110,000	100,000	105,000	
Enhanced physics of operational wave models	US Office of Naval Research			54,000	85,000	87,000	90,000
Experimental facility for extreme air/sea interaction studies (LE110100079)	A.R.C. LEIF				500,000		
Wind profiler network for planetary boundary layer research (LE120100067)	A.R.C. LEIF					210,000	

EXTERNAL FUNDING 2013-2018

PROJECT	GRANTING BODY	2013	2014	2015	2016	2017	2018
Coupling tropical cyclone and climate physics with ocean waves (DP130100227)	A.R.C. Discovery	110,000	110,000	110,000			
Global trends in oceanic wind speed and wave height (DP130100215)	A.R.C. Discovery	75,000	75,000	75,000			
Wave climate in the marginal ice zones of Arctic Seas, observations and modelling (N00014-13-1-0278)	US Office of Naval Research	110,000	100,000	100,000	100,000	100,000	
Using large ensemble aggregates to predict environmental extremes in a period of climate change (DP160100738)	A.R.C.				144,700	150,400	157,633
Australia-China Centre for Maritime Engineering	Dep. Industry, Innovation and Science				330	317	354

EXTERNAL FUNDING 2018-2023

PROJECT	GRANTING BODY	2017	2018	2019	2020	2021	2022	2023
Satellite Remote Sensing	IMOS		198,000	196,000	207,193	212,376	212,687	
Satellite measurements of ocean wave breaking (DP170101328)	A.R.C.	125,500	125,000	120,000				
Sea State Climate Change Initiative	European Space Agency (ESA)		780,000	780,000	780,000			
Singapore Marine Science Coastal Eco-systems Project	Australian Govt. (SMSCE02018)		175,000					
Ensemble Ocean Wave Prediction (Leandro Farina)	US Office of Naval Research (Global)			US$82,940				
Coastal Waves and Sea Level Study	Victorian Govt. Sustainability Fund			800,000	200,000	62,000		
Wave buoy validation study	IMOS – New Technology Proving				214,576	101,312		
Development of Global Scatterometer Database	IMOS – New Technology Proving				108,655	16,498		
The Spectral Evolution of Ocean Swell (DP210100840)	A.R.C.					173,000	159,000	137,000
Development of a National Infrastructure for insitu wave observations	ARDC – Australian Data Partnerships Program					292,986	206,869	
An autonomous sea state monitoring system for Australia's research fleet (LE220100103)	A.R.C.						328,389	

Career total grant funding (approx.): $20.65M

LIST OF PUBLICATIONS

Citations

Orchid Identifier: 0000-0003-2233-9227
Web of Science Researcher ID: E-7385-2011

Scopus:	**7,609**	**H-index:**	**48**
Web of Science:	**6,827**	**H-index:**	**46**
Google Citations:	**11,286**	**H-index:**	**57**

(a) AUTHORED BOOKS

1. Young, I.R. and Holland, G.J., 1996, "Atlas of the Oceans: Wind and Wave Climate", Pergamon Press, ISBN 0-08-042519-4, 241pp.

2. Young, I.R. and Holland, G.J., 1996, "A Multi-media Atlas of the Oceans Wind and Wave Climate", CD-ROM, Pergamon Press, ISBN 0-08-042434-1.

3. Young, I.R., 1999, "Wind Generated Ocean Waves", Elsevier Sciences Ltd., ISBN 0-08-043317-0, 306pp.

4. Young, I.R., 2017, "Regular, Irregular Waves and the Wave Spectrum", in Encyclopedia of Maritime and Offshore Engineering, John Wiley & Sons, Ltd., DOI: 10.1002/9781118476406.emoe078

5. Young, I.R. and Babanin, A.V., 2020, "Ocean Wave Dynamics", World Scientific, 363pp. https://doi.org/10.1142/11509.

(b) REFEREED JOURNAL PAPERS

1. Young, I.R. and Volker, R.E., 1980, "Unconfined Seepage and Salt Water Intrusion Problems Solved by the Boundary Element Method", Civil Engineering Transactions, I.E. Aust., Vol. CE22, No. 3, 215-221.

2. Young, I.R. and Sobey, R.J., 1980, Discussion of Hunt, J.N., "Direct Solution of the Wave Dispersion Equation", Journal of Waterway, Port, Coastal and Ocean Division, ASCE, Vol. 106, No. WW4, 499-501.

3. Young, I.R., Rosenthal, W. and Ziemer, F., 1985, "A Three-Dimensional Analysis of Marine Radar Images for the Determination of Ocean Wave Directionality and Surface Currents", Journal of Geophysical Research, Vol. 90, No. C1, 1049-1060.

4. Young, I.R. and Sobey, R.J., 1985, "Measurements of the wind-wave energy flux in an opposing wind", Journal of Fluid Mechanics, Vol. 151, 427-442.

5. Young, I.R., Rosenthal, W. and Ziemer, F., 1985, "Marine Radar Measurements of Waves and Currents during Turning Winds", Dt. Hydrogr. Z., 38, 23-38.

6. Sobey, R.J. and Young, I.R., 1986, "Hurricane Wind Waves - A Discrete Spectral Model", ASCE Journal of Waterway, Port, Coastal and Ocean Engineering, Vol. 112, No. 3, 370-389.

7. Young, I.R., 1986, “Probability Distribution of Spectral Integrals”, ASCE Journal of Waterway, Ports, Coastal and Ocean Engineering, Vol. 112, No. 2, 338-341.

8. Young, I.R., Hasselmann, S. and Hasselmann, K., 1987, “Computations of the response of a wave spectrum to a sudden change in wind direction”, Jnl. Physical Oceanography, Vol. 17, No.9, 1317-1338.

9. Young, I.R. and Sobey, R.J., 1988, “Deep Water Swell and Spectral Wave Decay in Opposing Winds”, ASCE Jnl. of Waterway, Port, Coastal and Ocean Engineering, Vol. 114 No. 6, 732-744.

10. Young, I.R., 1988, “A Parametric Hurricane Wave Prediction Model”, ASCE Jnl. of Waterway, Port, Coastal and Ocean Engineering, Vol. 114, No. 5, 637-652.

11. Young, I.R., 1988, “A Shallow Water Spectral Wave Model”, Jnl. of Geophysical Research, Vol. 93, No. C5, 5113-5129.

12. Young, I.R., 1989, “Wave Transformation over Coral Reefs”, Jnl. of Geophysical Research, Vol. 94, No. C7, 9779-9789.

13. Hardy, T.A., Young, I.R., Nelson, R.C. and Gourlay, M.R.,1991, “Wave Attenuation on a Coral Reef”, Australian Civil Engineering Transactions, Vol. CE33, No. 1, 17-22.

14. Young, I.R., 1992, “The Determination of Spectral Parameters from Significant Wave Height and Peak Period”, Ocean Engineering, Vol. 19, No. 5, 497-508.

15. Young, I.R. and van Vledder, G.Ph., 1993, “A Review of the Central Role of Nonlinear Interactions in Wind-Wave Evolution”, Phil. Trans. Roy. Soc. Lond. A , 342, 505-524.

16. Young, I.R. and Hardy, T.A., 1993, “Measurement and Modelling of Tropical Cyclone Waves in the Great Barrier Reef”, Coral Reefs, 12, 2, 85-95.

17. Young, I.R., 1993, “An Estimate of the Geosat Altimeter Wind Speed Algorithm at High Wind Speeds”, J. Geophys. Res., 98, C11, 20,275-20,285.

18. Young, I.R., Black, K.P. and Heron, M.L., 1994, “Circulation in the Ribbon Reef Region of the Great Barrier Reef", Continental Shelf Res., 14, 2/3, 117-142.

19. Bauer, E., Young, I.R., Hasselmann, K., 1994, “Data Assimilation using a Green's Function Approach”, p 468-480 in: Komen, G.J., L. Cavaleri, M. Donelan, K. Hasselmann, S. Hasselmann and P.A.E.M. Janssen, `Dynamics and Modelling of Ocean Waves', Cambridge University Press, UK, 560 pages.

20. Banner, M.L. and Young, I.R., 1994, “Modeling Spectral Dissipation in the Evolution of Wind Waves - Part 1. Assessment of existing model performance”, J. Physical Oceanography, 24, 1550-1671.

21. Young, I.R., 1994, “Global Ocean Wave Statistics Obtained from Satellite Observations”, Applied Ocean Research, 16, 235-248.

22. Young, I.R., 1994, “On the Measurement of Directional Wave Spectra”, Applied Ocean Research, 16, 283-294.

23. Young, I.R. and Gorman, R.M., 1995, “Measurements of the Evolution of Ocean Wave Spectra due to Bottom Friction”, J. Geophys. Res., 100, C6, 10,987-11,004.

24. Symonds, G., Black, K.P. and Young, I.R., 1995, “Wave Driven Flow over Shallow Submerged Reefs”, J. Geophys. Res., 100, C2, 2639-2648.

25. Young, I.R., Verhagen, L.A. and Banner, M.L., 1995, “A Note on the Bi-modal Directional Spreading of Fetch-Limited Wind Waves”, J. Geophys. Res., 100, C1, 773-778.

26. Young, I.R., 1995, “The Determination of Confidence Limits Associated with Estimates of the Spectral Peak Frequency”, Ocean Engineering, 22, 7, 669-686.

27. Bauer, E., Hasselmann, K., Young, I.R. and Hasselmann, S., 1996, “Assimilation of Wave Data into the Wave Model WAM using an Impulse Response Function Method”, J. Geophys. Res., 101, 3801-3816.

28. Hardy, T.A. and Young, I.R., 1996, “Field Study of Wave Attenuation on an Offshore Coral Reef”, J. Geophys. Res., 101, C6, 14,311-14,326.

29. Young, I.R. and Glowacki, T.J., 1996, “Assimilation of Altimeter Wave Height Data into a Spectral Wave Model using Statistical Interpolation”, Ocean Engineering, 23, 8, 667-689.

30. Young, I.R. and Burchell, G.P., 1996, “Hurricane Generated Waves as Observed by Satellite”, Ocean Engineering, 23, 8, 761-776.

31. Young, I.R. and Verhagen, L.A., 1996, “The Growth of Fetch Limited Waves in Water of Finite Depth. Part I: Total Energy and Peak Frequency”, Coastal Engineering, 28, 47-78.

32. Young, I.R. and Verhagen, L.A., 1996, “The Growth of Fetch Limited Waves in Water of Finite Depth. Part II: Spectral Evolution”, Coastal Engineering, 28, 79-100.

33. Young, I.R., Verhagen, L.A. and Khatri, S.K., 1996, “The Growth of Fetch Limited Waves in Water of Finite Depth. Part III: Directional Spectra”, Coastal Engineering, 28, 101-122.

34. Young, I.R. and Verhagen, L.A., 1996, “The Evolution of Wind-Waves in Finite Depth Water”, In ‘The Air-Sea Interface’, M.A. Donelan, W.H. Hui and W.J. Plant (eds)., The University of Toronto Press, Toronto, 97-104.

35. Young, I.R. and van Agthoven, A., 1997, “The Response of waves to a Sudden Change in Wind Speed”, in Perrie, W. (ed.), ‘Nonlinear Ocean Waves’, Advances in Fluid Mechanics Series, Computational Mechanics Pubs., ISBN 1853124141, 258pp.

36. Young, I.R., Dalton, M.A., McMahon, P.J. and Verhagen, L.A., 1997, “Design of an Integrated Shallow Water Wave Experiment”, IEEE Journal of Oceanic Engineering, 22, 1, 184-188.

37. Young, I.R., 1997, “The Growth Rate of Finite Depth Wind-Generated Waves”, Coastal Engineering, 32, 181-195.

38. Young, I.R., 1998, “Observations of the Spectra of Hurricane Generated Waves”, Ocean Engineering, 25, 261-276.

39. Young, I.R. and Eldeberky, Y., 1998, “Observations of Triad Coupling of Finite Depth Wind-Waves”, Coastal Engineering, 33, 137-154.

40. Young, I.R., 1998, “An Experimental Investigation of the Role of Atmospheric Stability in Wind Wave Growth”, Coastal Engineering, 34, 23-33.

41. Young, I.R., 1999, “An Intercomparison of GEOSAT, TOPEX and ERS1 Measurements of Wind Speed and Wave Height”, Ocean Engineering, 26, 67-81.

42. Young, I.R., 1999, “Seasonal Variability of the Global Ocean Wind and Wave Climate”, International Journal of Climatology, 19, 931-950.

43. Banner, M.L., Babanin, A.V., and Young, I.R., 2000, “Breaking Probability for Dominant Waves on the Sea Surface”, J. Phys. Oceanogr., 30, 3145-3160.

44. Babanin, A.V., Young, I.R. and Banner, M.L., 2001, “Breaking Probabilities for Dominant Surface Waves on Water of Finite Constant Depth”, J. Geophys. Res., 106, 11,659-11,676.

45. Symonds, G., Black, K.P. and Young, I.R., 2002, "A comment on: A physical derivation of nutrient-uptake rates in coral reefs: effects of roughness and waves", Coral Reefs, 21, 317-318.

46. Young, I.R., 2003, "A Review of the Sea State Generated by Hurricanes", Marine Structures, 16, 201-218.

47. Alves, J.H.G.M., Banner, M.L. and Young, I.R., 2003, "Revisiting the Pierson-Moskowitz asymptotic limits for fully developed wind waves", J. Phys. Oceangr., 33, 7, 1301-1323.

48. Mirfenderesk, H. and Young, I.R., 2003, “Direct Measurements of the Bottom Friction Factor beneath Surface Gravity Waves”, Applied Ocean Research, 25, 5, 269-287.

49. Alves, J.H.G.M. and Young, I.R., 2003, “On estimating extreme wave heights using combined Geosat, Topex/Poseidon and ERS-1 altimeter data”, Applied Ocean Research, 25, 4, 167-186.

50. Davis, J.P., Walker, D.J, Townsend, M., and Young, I.R., 2004, “Wave-formed sediment ripples: Transient analysis of ripple spectral development”, J. Geophys. Res, 109, C07020, doi:10.1029/2004JC002307.

51. Greenslade, D.J.M. and Young, I.R., 2004, "Background Errors in a Global Wave Model determined from Altimeter Data", J. Geophys. Res., 109, C09007, doi: 10.1029/2004JC002324.

52. Donelan, M.A., Babanin, A.V., Young, I.R., Banner, M.L. and McCormick, C., 2005, "Wave follower field measurements of the wind input spectral function. Part I: Measurements and calibrations", J. Atmos. & Ocean. Tech., 22, 7, 799-813.

53. Young, I.R., Banner, M.L., Donelan, M.A., Babanin, A.V., Melville, W.K., Veron, F. and McCormick, C., 2005, "An integrated system for the study of wind-wave source terms in finite-depth water", J. Atmos. & Ocean. Tech., 22, 7, 814-831.

54. Agnon, Y., Babanin, A.V, Young, I.R. and Chalikov, D., 2005, “Fine scale inhomogeneity of wind-wave energy input, skewness and asymmetry”, Geophys. Review Letters, 32 (12): Art No. L 12603.

55. Greenslade, D.J.M. and Young, I.R., 2005, "The Impact of Altimeter Sampling Patterns on Estimates of Background Errors in a Global Wave Model", J. Atmos. & Ocean. Tech., 22, 12, 1895-1917.

56. Greenslade, D.J.M. and Young, I.R., 2005, "Forecast Divergences of a Global Wave Model", Monthly Weather Review, 133, 8, 2148-2162.

57. Greenslade, D.J.M. and Young, I.R., 2005, "The impact of inhomogenous background errors on a global wave data assimilation system", J. Atmos. & Ocean Sci., 10, 2, doi:10.1080/17417530500089666.

58. Young, I.R. and Babanin, A.V, 2006, “Spectral distribution of energy dissipation of wind-generated waves due to dominant wave breaking”, J. Phys. Oceanogr., 36, 3, 376-394.

59. Young, I.R. and Babanin, A.V., 2006, “The form of the asymptotic depth-limited wind-wave frequency spectrum”, J. Geophys. Res., 111, C06031, doi:10.1029/2005JC003398.

60. Donelan, M.A., Babanin, A.V, Young, I.R. and Banner, M.L., 2006, “Wave follower field measurements of the wind input spectral function. Part II: Parameterization of Wind Input”, J. Phys. Oceanogr., 36, 8, 1672-1688.

61. Young, I.R., 2006, “Directional spectra of hurricane wind-waves”, J. Geophys. Res., 111, C08020, doi:10.1029/2006JC003540.

62. Babanin, A.V., Chalikov, D., Young, I.R. and Savelyev, I., 2007, “Predicting the breaking onset of surface water waves”, Geophys. Review Letters, 34, L07605, doi:10.1029/2006GL029135.

63. Babanin, A.V., Banner, M.L., Young, I.R. and Donelan, M.A., 2007, “Wave follower field measurements of the wind input spectral function. Part III: Parameterization of the wind input enhancement due to wave breaking”, J. Phys. Oceanogr., 37, 11, 2764-2775.

64. Cavaleri, L. et al., 2007, “Wave modelling – The state of the art”, Prog. Oceanogr., doi:10.1016/j.pocean.2007.05.005.

65. Young, I.R. and Babanin, A.V., 2009, “The form of the asymptotic depth-limited wind-wave spectrum: Part II – The wavenumber spectrum”, Coastal Engineering, 56, 534-542, doi:10.1016/j.coastaleng.2008.11.005.

66. Zieger, S., Vinoth, J. and Young, I.R., 2009, “Joint calibration of multi-platform altimeter measurements of wind speed and wave height over the past 20 years”, J. Atmos. & Ocean. Tech., 26, 12, 2549-2564, doi: 10.1175/2009JTECHA1303.1.

67. Young, I.R., 2010, “The form of the asymptotic depth-limited wind-wave spectrum: Part III – Directional spreading”, Coastal Engineering, 57, 30-40, doi:10.1016/j.coastaleng.2009.09.001.

68. Babanin, A.V., Chalikov, D., Young, I.R. and Savelyev, I., 2010, “Numerical and laboratory, investigation of breaking of steep two-dimensional waves in deep water”, J. Fluid Mech., 644, 433-463.

69. Tsagarelli, K.N., Babanin, A.V., Walker, D.J. and Young, I.R., 2010, “Numerical investigation of spectral evolution of wind waves. Part 1: Wind input source function”, J. Phys. Oceanogr., 40, 656-666.

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