

1. Record Nr.	UNINA9910739432603321
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Titolo	Inequalities for the numerical radius of linear operators in Hilbert spaces // Silvestru Sever Dragomir
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , 2013
ISBN	3-319-01448-X
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (x, 120 pages)
Collana	SpringerBriefs in Mathematics, , 2191-8198
Disciplina	515
Soggetti	Linear operators Hilbert space
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction -- 2. Inequalities for One Operator -- 3. Inequalities for Two Operators .
Sommario/riassunto	Aimed toward researchers, postgraduate students, and scientists in linear operator theory and mathematical inequalities, this self-contained monograph focuses on numerical radius inequalities for bounded linear operators on complex Hilbert spaces for the case of one and two operators. Students at the graduate level will learn some essentials that may be useful for reference in courses in functional analysis, operator theory, differential equations, and quantum computation, to name several. Chapter 1 presents fundamental facts about the numerical range and the numerical radius of bounded linear operators in Hilbert spaces. Chapter 2 illustrates recent results obtained concerning numerical radius and norm inequalities for one operator on a complex Hilbert space, as well as some special vector inequalities in inner product spaces due to Buzano, Goldstein, Ryff and Clarke as well as some reverse Schwarz inequalities and Grüss type inequalities obtained by the author. Chapter 3 presents recent results regarding the norms and the numerical radii of two bounded linear operators. The techniques shown in this chapter are elementary but elegant and may be accessible to undergraduate students with a working knowledge of operator theory. A number of vector inequalities in inner product spaces as well as inequalities for means of nonnegative real numbers are also employed in this chapter. All the

results presented are completely proved and the original references are mentioned.

2. Record Nr.	UNINA9911026027403321
Autore	Kupriyanova Elena
Titolo	Hydroides of the World
Pubbl/distr/stampa	Collingwood : , : CSIRO Publishing, , 2023 ©2023
ISBN	9781486311590 1486311598
Edizione	[1st ed.]
Descrizione fisica	1 online resource (249 pages)
Altri autori (Persone)	SunYanan WongEunice ten HoveHarry A
Disciplina	593.55
Soggetti	Polychaeta Marine biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Half Title -- Dedication -- Title Page -- Copyright -- Contents -- Acknowledgements -- 1: Introduction -- General body morphology -- Radiolar crown -- Thorax -- Abdomen -- 2: Tubes -- Tube morphology -- Tube composition and mineralogy -- Tube ultrastructure -- Organic tube lining -- Tube formation -- Fossil record -- 3: History of studies -- Taxonomic studies -- Dynamics of species discovery -- 4: Reproduction, development and life history -- Reproduction -- Larval development -- Metamorphic competence and metamorphosis -- Settlement -- Generic precondition factors -- Specific settlement factors -- Chemical nature of settlement inducers -- Juvenile growth and maturation -- 5: Ontogeny: reversible asymmetry, compensatory regeneration and duplicity -- Reversible asymmetry and compensatory regeneration -- Duplicity -- Malformations -- Bioperculate chimaera -- 6: Economic and ecological impacts -- Nuisance fouling species -- Invasive species -- Hydroides

species commonly reported as invasive -- Confirmed invasive species of Hydroides -- Questionable invasive species -- Model organisms for research -- Larval ecology -- Mechanisms of biomineralisation -- Ocean acidification -- Ecotoxicology -- 7: Barcoding, phylogeny and genome structure -- Barcoding -- Phylogeny -- Genome structure -- 8: Biogeography -- Patterns of geographical distribution -- Phylogeography -- 9: Methods of collecting, examination, preservation and identification -- Collecting -- Examination and preservation -- Identification -- A cautionary note on identification -- 10: Diagnostic characters used for identification -- 11: Key to the species of Hydroides worldwide -- 12: Taxonomic account -- Species information -- 1. *Hydroides adamaformis* Pillai, 2009 -- 2. *Hydroides alatalateralis* (Jones, 1962) -- 3. *Hydroides albiceps* (Grube, 1870)-complex. 4. *Hydroides amri* Sun, Wong, ten Hove, Hutchings, Williamson & Kupriyanova, 2015 -- 5. *Hydroides ancorispina* Pillai, 1971 -- 6. *Hydroides arnoldi* Augener, 1918 -- 7. *Hydroides augeneri* Zibrowius, 1973 -- 8. *Hydroides azorica* Zibrowius, 1972b -- 9. *Hydroides bandaensis* Zibrowius, 1972a -- 10. *Hydroides bannerorum* Bailey-Brock, 1991 -- 11. *Hydroides basispinosa* Straughan, 1967a -- 12. *Hydroides bifurcata* Pixell, 1913 -- 13. *Hydroides bisecta* Imajima & ten Hove, 1989 -- 14. *Hydroides bispinosa* Bush, 1910 -- 15. *Hydroides brachyacantha* Rioja, 1941a -- 16. *Hydroides bulbosa* ten Hove, 1990 -- 17. *Hydroides calopoma* Zibrowius, 1973a -- 18. *Hydroides capensis* Zibrowius, 1972b -- 19. *Hydroides caribensis* nov. spec. ten Hove -- 20. *Hydroides chilensis* Hartmann-Schröder, 1962 -- 21. *Hydroides crucigera* Mörch, 1863 -- 22. *Hydroides dafnii* (Amoureux, Rullier & Fishelson 1978) -- 23. *Hydroides deleoni* Bastida-Zavala & ten Hove, 2003b -- 24. *Hydroides dianthus* (Verrill, 1873) -- 25. *Hydroides dipoma* (Schmarda, 1861) -- 26. *Hydroides dirampha* Mörch, 1863 -- 27. *Hydroides dolabrus* Tovar-Hernández, Villalobos-Guerrero, Kupriyanova & Sun, 2016 -- 28. *Hydroides elegans* (Haswell, 1883) nomen protectum -- 29. *Hydroides elegantula* (Bush, 1910) -- 30. *Hydroides exaltata* (Marenzeller, 1884)-complex -- 31. *Hydroides externispina* Straughan, 1967b -- 32. *Hydroides ezoensis* Okuda, 1934 -- 33. *Hydroides floridana* (Bush, 1910) -- 34. *Hydroides furcifera* (Grube, 1878b) -- 35. *Hydroides fusca* Imajima, 1976a -- 36. *Hydroides fusicola* Mörch, 1863 -- 37. *Hydroides gairacensis* Augener, 1934 -- 38. *Hydroides glandifera* Rioja, 1941a -- 39. *Hydroides glasbyi* Sun, Wong, ten Hove, Hutchings, Williamson & Kupriyanova, 2015 -- 40. *Hydroides gottfriedi* Read, ten Hove, Sun & Kupriyanova, 2017 -- 41. *Hydroides gracilis* (Bush, 1905). 42. *Hydroides helmata* (Iroso, 1921) -- 43. *Hydroides heterocera* (Grube, 1868) -- 44. *Hydroides heterofurcata* Pillai, 1971 -- 45. *Hydroides homoceros* Pixell, 1913 -- 46. *Hydroides huanghaiensis* Sun & Yang, 2000 -- 47. *Hydroides humilis* (Bush, 1905) -- 48. *Hydroides ibarزابالae* nov. spec. Bastida-Zavala & Salazar-Vallejo -- 49. *Hydroides inermis* Monro, 1933 -- 50. *Hydroides inornata* Pillai, 1960 -- 51. *Hydroides kimberleyensis* Pillai, 2009 -- 52. *Hydroides lambecki* Bastida-Zavala & ten Hove, 2003a -- 53. *Hydroides lirs* Kupriyanova, Sun, ten Hove, Wong & Rouse, 2015 -- 54. *Hydroides longispinosa* Imajima, 1976a -- 55. *Hydroides longistylaris* Chen & Wu, 1980 -- 56. *Hydroides malleolaspina* Straughan, 1967a -- 57. *Hydroides microtis* Mörch, 1863 -- 58. *Hydroides minax* (Grube, 1878b)-complex -- 59. *Hydroides mongeslopezi* Rioja, 1958 -- 60. *Hydroides monroi* Zibrowius, 1973a -- 61. *Hydroides mucronata* Rioja, 1958 -- 62. *Hydroides mucronatoides* nov. spec. ten Hove -- 63. *Hydroides multispinosa*

Marenzeller, 1884 -- 64. *Hydroides nanhaiensis* Wu & Chen, 1981 -- 65. *Hydroides nigra* Zibrowius, 1971a -- 66. *Hydroides nikae* Sun, Wong, Tovar-Hernández, Williamson & Kupriyanova, 2016 -- 67. *Hydroides nodosa* Straughan, 1967a -- 68. *Hydroides norvegica* Gunnerus, 1768 -- 69. *Hydroides novaepommeraniae* Augener, 1925b-complex -- 70. *Hydroides ochotereana* Rioja, 1941a -- 71. *Hydroides operculata* (Treadwell, 1929) -- 72. *Hydroides panamensis* Bastida-Zavala & ten Hove, 2003b -- 73. *Hydroides parva* (Treadwell, 1902) -- 74. *Hydroides perezi* Fauvel, 1918 -- 75. *Hydroides plateni* (Kinberg, 1867) -- 76. *Hydroides protulicola* Benedict, 1887 -- 77. *Hydroides pseudexaltata* Pillai, 2009 -- 78. *Hydroides pseudouncinata* Zibrowius, 1968 nominotypical subspecies *pseudouncinata* -- 79. *Hydroides pseudouncinata africana* Zibrowius, 1971a.

80. *Hydroides qiui* Sun, Wong, ten Hove, Hutchings, Williamson & Kupriyanova, 2015 -- 81. *Hydroides ralumiana* Augener, 1927 -- 82. *Hydroides recta* Straughan, 1967a -- 83. *Hydroides recurvispina* Rioja, 1941a -- 84. *Hydroides rhombobula* Chen & Wu, 1980 -- 85. *Hydroides rzhavskyi* nov. spec. ten Hove -- 86. *Hydroides salazarvallejoi* Bastida-Zavala & ten Hove, 2003a -- 87. *Hydroides sanctaecrucis* Krøyer in Mörch, 1863 -- 88. *Hydroides sceptrifera* nov. spec. ten Hove -- 89. *Hydroides similis* (Treadwell, 1929) -- 90. *Hydroides similoides* Bastida-Zavala & ten Hove, 2003a -- 91. *Hydroides simplidentata* Pillai, 2009 -- 92. *Hydroides sinensis* Zibrowius, 1972a -- 93. *Hydroides spongicola* Benedict, 1887 -- 94. *Hydroides steinitzi* Ben-Eliahu, 1972 -- 95. *Hydroides stoichadon* Zibrowius, 1971a -- 96. *Hydroides tambalagamensis* Pillai, 1961 -- 97. *Hydroides tenhovei* Bastida-Zavala & Leon-Gonzalez, 2002 -- 98. *Hydroides trilobula* Chen & Wu, 1978 -- 99. *Hydroides trivesiculosa* Straughan, 1967b -- 100. *Hydroides trompi* Bastida-Zavala & ten Hove, 2003b -- 101. *Hydroides tuberculata* Imajima, 1976a-complex sensu stricto -- 102. *Hydroides uniformis* Imajima & ten Hove, 1986 -- 103. *Hydroides vizagensis* Lakshmana Rao, 1969 -- 104. *Hydroides xishaensis* Chen & Wu, 1978 -- 105. *Hydroides zibrowii* nov. spec. ten Hove & Bastida-Zavala -- Nomina inquirenda and rejected names, occasionally still in use -- 1. *Hydroides affinis* (Marion, 1875a), nomen inquirendum -- 2. *Hydroides diplochone* (Grube, 1878a), taxon inquirendum -- 3. *Hydroides euplaeana* (Delle Chiaje, 1822) nomen inquirendum -- 4. *Hydroides hexagona* (Bosc, 1802) nomen inquirendum -- 5. *Hydroides pectinata* (Philippi, 1844) nomen inquirendum -- 6. *Hydroides prisca* Pillai, 1971, rejected name -- 7. *Hydroides uncinata* (Philippi, 1844), nomen inquirendum.

Abbreviations of institutions where type material is deposited -- Glossary -- References -- Index.

Sommario/riassunto

A fully illustrated guide to these ecologically and economically important calcareous tubeworms.