



ELSEVIER

Introduction to Knovel Plus

Welcome to Knovel Plus, our engineering initiative that brings together Knovel and Engineering Village (*Compendex*), to deliver comprehensive engineering information results in your workflow.

We believe that integrating both the foundational technical reference information in Knovel, with the current awareness from journal, conference proceeding and standards metadata in *Compendex* improves productivity and generative thinking and makes you more confident in your engineering research.

- When you create a search query in [Knovel](#) (e.g. acoustic arrays) the Search results page provides the same Knovel technical reference results as always; but
- Now an additional **SEE MORE RESULTS** panel is displayed **on the right**, with links to abstracts from Journals, Conference Proceedings, and Standards featured in Engineering Village *Compendex* database.

The screenshot shows the Knovel search results page for the query "acoustic array". The page layout includes a search bar at the top with the query "acoustic array" and a magnifying glass icon. Below the search bar, there are links for "Share Search Results", "Save Search Query", and "Video". A "Refine By Concept" sidebar on the left lists various concepts related to acoustic arrays, such as "nonlinear acoustics", "acoustic logging", "environmental tests", "phased array", "experimental testing", "chaos", "acoustic emission", "summaries", "underwater", "transducers", "numerical model", "experimental setup", "focusing", "seismic", "capacitance", "data acquisition", "imaging", and "scanning". The main content area displays search results, including a section for "12.6.1 Acoustic Array" and "103.2 Uniform Circular Acoustic Emission Arrays". A "SEE MORE RESULTS" panel on the right, titled "View abstracts in Compendex on Engineering Village", provides links to abstracts from Journals, Conferences, and Standards. The panel includes a "Feedback" button and an "Explore this page" button.

- When you use Knovel's **Refine By** to narrow search results, the *Compendex* results are updated to reflect your search query refinement.

The screenshot shows the Knovel search interface. At the top, there's a search bar with 'acoustic array' entered. Below the search bar, there's a 'Refine By Concept' section with a list of concepts and their corresponding counts. The concepts include nonlinear acoustics, acoustic logging, environmental tests, phased array, experimental testing, chaos, acoustic emission, summaries, underwater, transducers, numerical model, experimental setup, focusing, seismic, capacitance, and data acquisition. The 'transducers' concept is selected, and the results are filtered to show 13 definitions. The results list includes '12.6.1 Acoustic Array', '3. Transducers, Directionality, and Arrays', '16.6 A Parametric Array', and '37.3.1.1 Beamforming and Array Beam Patterns'. On the right side, there's a 'View abstracts in Compendex on Engineering Village' section with a list of journal articles.

- Clicking on a Journal article link, takes you to the full record in *Compendex*, where you can link to the full text.

The screenshot shows the full record page for the article 'Laws of formation of grating lobes in the acoustic field of electromagnetic-acoustic transducers as a linear array of unidirectional conductors'. The page includes the title, authors (Muraveva, Olga Vladimirovna; Muravev, Vitaly Vasilevich; Myshkin, Yuriy Vladimirovich), source (NDT and E International, v 93, p 40-56, January 2018), and abstract. The abstract describes the investigation of acoustic fields of transducers and the formation of grating lobes. The page also includes a 'Related Documents' section with a list of journal articles and a 'Tools in Scopus' section with a list of Scopus links.

- Clicking on *Show all Journals* links to a full list of *Compendex* results matching the search criteria.

The screenshot shows the Engineering Village search results page. At the top, the Engineering Village logo is on the left, and navigation links (Search, History, Alerts, Selected records, Bulletins, More) are on the right. Below the header, there are filters for Databases, Date, Sort by, Autostemming, Search codes, and Browse indexes. A search bar on the right contains the query '12,276 records found in Compendex for 1884-2020: (((acoustic array) WN ALL AND (JA) WN DT))'. Below the search bar, there are buttons for 'Create alert', 'Save search', 'Share search', and 'RSS feed'. The results are sorted by 'Relevance' and displayed in a list format. The first four results are highlighted with orange boxes:

- Methods of *array* element localization for a towed underwater *acoustic array***
Wyeth, N. (Int Corp, McLean, United States) Source: *IEEE Journal of Oceanic Engineering*, v 19, n 1, p 128-133, Jan 1994
Databases: Compendex
Document types: Journal article (JA)
Detailed Show preview Cited by in Scopus (5) Full text Check Local Full text
- Target tracking with multi *acoustic array* sensors data** (Open Access)
Naidu, V.P.S. (National Aerospace Laboratories, Bangalore-560 017); Rao, J.R. Source: *Defence Science Journal*, v 57, n 3, p 289-303, May 2007
Databases: Compendex
Document types: Journal article (JA)
Detailed Show preview Cited by in Scopus (5) Full text Check Local Full text
- Highly Directional *Acoustic Waves* Generated by a Horned Parametric *Acoustic Array* Loudspeaker**
Tong, L.H. (School of Civil Engineering and Architecture, East China Jiaotong University, Nanchang, Jiangxi; 330013, China); Lai, S.K.; Yan, J.W.; Li, C. Source: *Journal of Vibration and Acoustics*, Transactions ASME, v 141, n 1, February 1, 2019
Databases: Compendex
Document types: Journal article (JA)
Detailed Show preview Cited by in Scopus (2) Full text Check Local Full text
- Calculation of the shape of a towed underwater *acoustic array***
Howard, Bernard E. (Math & Comput Sci Dept, Univ of, Miami, Coral Gables, FL, USA); Syck, James M. Source: *IEEE Journal of Oceanic Engineering*, v 17, n 2, p 193-203, Apr 1992
Databases: Compendex
Document types: Journal article (JA)

On the left side of the results, there is a 'Refine' panel with filters for 'By physical property', 'By category', 'Access type', 'Document type', and 'Author'. The 'By category' filter is currently selected, showing 'Journal article' with 12,276 results. The 'Access type' filter shows 'Open Access' with 1,014 results and 'Other' with 11,262 results. The 'Document type' filter shows 'Journal article' with 12,276 results. The 'Author' filter shows a list of authors with their respective result counts.

- Compendex results open in a new tab for easy navigation between Knovel and EV.

The Knovel Product team invites you to try *Knovel Plus* and share your thoughts. Your feedback helps us create a better experience for you and for all our customers.