

**Diving & ROV
specialists**



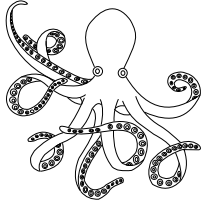
Index for document research

**Scientific papers and books
stored in the website database**



December 2023





Diving & ROV Specialists

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Purpose

This compilation details the scientific papers archived in the "Diving and ROV Specialists" website database, accompanied by corresponding download links. Its purpose is to serve as a supplementary resource for research beyond the chronological list and search engine capabilities.

To achieve this objective, the documents are categorized based on their publication dates within the database and arranged under relevant topics:

- Barotraumas
- Cardio-Respiratory
- Decompression
- Oxygen
- Other gasses than oxygen
- Pathogens
- Thermal
- Various

Additional categorizations will be added over time. However, providing search engines and classifications that fully align with researchers' preferences is impractical.

Therefore, it is their responsibility to select the relevant documents using any of the three provided research methods.

Unlike the website's chronological index, this document does not include descriptions of the papers' contents. However, authors and publication dates are available, allowing readers to locate them in chronological lists.

This list was updated on the 25 of December 2023. So that the scientific papers listed in this update do not include those newly added to the database in February 2024.

However, the complete lists of new documents for each main topic are indicated on the website's homepage. Please use the provided links to download the desired documents from the chronological list.

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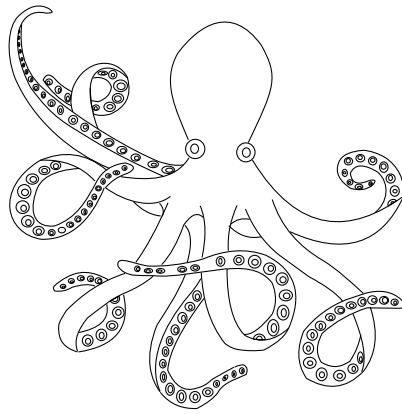
This document is in PDF (Portable Document Format), and some PDF readers have a built-in search engine that enables you to find documents based on keywords.

There are many PDF programs available today, and testing them all would take a significant amount of time. However, the four freeware below include the mentioned search engine:

- WPS Office (<https://www.wps.com/>) - works on Windows, Mac OS, and Linux
- PDF X Change Viewer (<https://pdf-xchange.eu/pdf-xchange-editor/index.htm>) - Works on Windows and Mac OS.
- Foxit Reader (<https://www.foxit.com/pdf-reader/>) - Works on Windows, Linux , and Mac OS
- Adobe Acrobat Reader (<https://get.adobe.com/reader/>) - Works on Windows and Mac Os.



Barotraumas

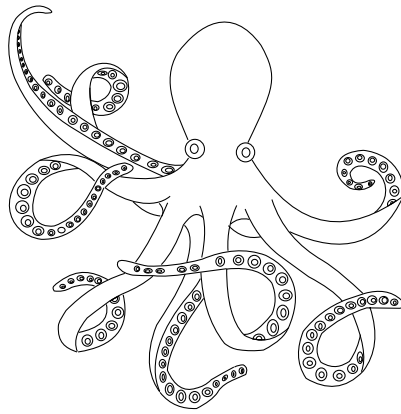


<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
New experiments physico-mechanicall touching The spring of the air and its effects. (made for the most part, in a new pneunamical engine)	<i>Robert Boyle</i>	1660
Oeuvres de Marriotte	Edme Mariotte	1740
Labyrinthine dysfunction during diving	Joseph C. Farmer jr	1974
Cerebral gas embolism in the course of midly symptomatic pulmonary barotrauma in a scuba diver	Brumon Kiernikowicz & Stefan Teresinky	1984
Pulmonary Barotrauma and Related Events in Divers	Lawrence W. Raymond	1995
Pulmonary function of patients with spontaneous pneumothorax in relation to the extent of emphysema-like changes	<i>F. M.N.H. Schramel, A.R.J. Van Keimpena, J. P. Janssen, R. P. Golding, & P. E. Postmus</i>	1995
Pulmonary barotrauma in divers vs procedures initiated by medical personnel.	Martyna Krukowska, Katarzyna Jańczuk, Anna Ślifirczyk, Marta Kowalenko	2015
Symptomatic middle ear and cranial sinus Barotraumas as a complication of hyperbaric oxygen treatment	Bengüsu Mirasoglu, Aslıcan Cakkalkurt, Maide Cimsit	2016
Detection of venous gas emboli after repetitive breath-hold dives: case report	D. Cialoni, M. Pieri, G. Giunchi, N. Sponsiello, A.M Lanzone, L. Torcello, G. Boaretto, A. Marroni	2016
Frontal Sinus Barotrauma	Ruben Vandenbulcke, Bartel van Holsbeeck, Ilse Crevits, and Jesse Marrannes	2016
Massive Ischemic Stroke Due to Pulmonary Barotrauma and Cerebral Artery Air Embolism During Commercial Air Travel	Sara Farshchi Zarabi, Matteo Parotto, Rita Katznelson, James Downar	2017
Decreased Incidence of Pulmonary Barotrauma After discontinuation of Emergency Free Ascent Training	Pierre Lafère, Peter Germonpré, François Guerrero, Alessandro Marroni, Costantino Balestra	2018
Pulmonary barotrauma during hypoxia in a diver while underwater	Brunon Kierznikowicz, Władysław Wolański, Romuald Olszanski	2020
Rare pulmonary barotrauma after explosive decompression: a case report	Jakub Tlapák, Boris Onišcenko, Petr Došel, Pavel Požár, Petr Chmátal, and Michal Hájek	2020
Effect of antiplatelet and/or anticoagulation medication on the risk of tympanic barotrauma in hyperbaric oxygen treatment patients, and development of a predictive model.	Adam E Howard, Peter Buzzacott, Ian C Gawthrop, Neil D Banham	2020

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
High Incidence of Barotrauma in Patients With Severe Coronavirus Disease 2019	Michael R. Kahn, Richard L. Watson, Jay T. Thetford, Joseph Isaac Wong, and Nader Kamangar	2021
Pneumothorax in critically ill patients with COVID-19 infection: Incidence, clinical characteristics and outcomes in a case control multicenter study	<i>Amit Chopra, Ali Hani Al-Tarbsheh , Nidhi J. Shah, Hamid Yaqoob, Kurt Hu, Paul J. Feustel g, Ronaldo Ortiz-Pacheco, Kinner M. Patel, Jozef Oweis, Natalya Kozlova, Spyridon Zouridis, Sahar Ahmad, Oleg Epelbaum, Woon H. Chong, John T. Huggins, Biplab K. Saha i, Edward Conuel, Hau Chieng, Jeannette Mullins, Divyansh Bajaj, Boris Shkolnik, Rachel Vancavage, Nagendra Madisi, Marc A. Judson)</i>	2021
Pneumothorax and barotrauma in invasively ventilated patients with COVID-19	<i>Alessandro Belletti, Giovanni Landoni, Alberto Zangrillo</i>	2021
Sinus barotrauma in diving	Oskari H Lindfors, Anne K Räsänen-Sokolowski, Jari Suvilehto, Saku T Sinkkonen	2021
Macklin effect on baseline chest CT scan accurately predicts barotrauma in COVID-19 patients	Gianluca Paternoster, Gianfranco Belmonte, Enrico Scarano, Pietro Rotondo, Diego Palumbo , Alessandro Belletti, Francesco Corradi , Pietro Bertini, Giovanni Landoni, Fabio Guarracino	2022
Pulmonary barotrauma in patient suffering from COVID-19	Maria Ludovica Carerj, Giuseppe Bucolo, Silvio Mazziotti, Alfredo Blandino, Christian Booz, Giuseppe Cicero, Tommaso D'Angelo.	2022
Pulmonary barotrauma in COVID-19: A systematic review and meta-analysis.	Dhan Bahadur Shrestha, Yub Raj Sedhai, Pravash Budhathoki, Ayush Adhikari, Nisheem Pokharel, Richa Dhakal, Satyasuna Kafle, Wasey Ali Yadullahi Mir, Roshan Acharya, Markos G. Kashiouris, Mark S. Parker	2022
Diving after COVID-19: an update to fitness to dive assessment and medical guidance.	Diving and Hyperbaric Medicine	2022
Chest CT scan for the screening of air anomalies at risk of pulmonary barotrauma for the initial medical assessment of fitness to dive in a military population	Brieuc Bonnemaïson , Olivier Castagna, Sébastien de Maistre, and Jean-Éric Blatteau	2022
Pneumoscotum, a Rare Presentation of Barotrauma Following Noninvasive Positive Pressure Ventilation in Patients with Severe COVID-19 Pneumonia.	Mohsen Shafiepour, Mohammad Javad Najafzadeh, Seyed Mehdi Hashemi Bajgani, Behnam Dalfardi	2022
Pulmonary barotrauma in SCUBA diving-related fatalities: a histological and histomorphometric analysis.	Josep M. Casadesús, Javier NietoMoragas, Maria T. Serrando, Pere BoadasVaello, Ana Carrera, Fernando Aguirre, R. Shane Tubbs, Francisco Reina	2022
Hyperbaric Pressure Effect on Dental Luting Cements	Secil Ozkan Ata, Nazim Ata, Rift Ugurlutan	2022

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Incidence, outcomes and risk factors of barotrauma in veno-venous extracorporeal membrane oxygenation for acute respiratory distress syndrome	<i>Yu Bai, Shengsong Chen, Zeyu Zhang, Xu Huang, Jingen Xia, Min Li, Qingyuan Zhan</i>	2022

Cardio-Respiratory



<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
New pneumatical experiments about respiration	Robert Boyle	1670
The action of carbonic acide on man	John Scott Haldane	1895
Organism and environment as illustrated by the physiology of breathing	John Scott Hadane	1917
Respiration	John Scott Hadane	1935
Diving Bradycardia in man	P E Harding, D Roman, R F Whelan	1965
Pulmonary surfactant: Hydrophobic nature of the mucosal surface of the surface amnion	Cotton D. B, & Hills B. A.	1983
Pulmonary function of patients with spontaneous pneumothorax in relation to the extent of emphysema-like changes	F. M.N.H. Schramel, A.R.J. Van Keimpena, J. P. Janssen, R. P. Golding, & P. E. Postmus	1995
Respiratory physiology of vertebrates	Goran E. Nilsson	1998
Measurement of fatigue following 18 msw dry chamber dives breathing air or enriched air nitrox	RJD Harris D.J Doolette D.C Wilkinson D.J. Williams	2003
Acute effects of a single open sea air dive and post-dive posture on cardiac output and pulmonary gas exchange in recreational divers	Z Dujic, D Bakovicv, I Marinovic-Terzic, & D Eterovic	2004
A single air dive reduces arterial endothelial function in man	A. O. Brubakk, D. Duplancic, Z. Valic, I. Palada, A. Obad, D. Bakovic, U. Wisloff, and Z. Dujic	2005
Allometric scaling of the maximum metabolic rate of mammals: Oxygen transport from the lungs to the heart is a limiting step.	Page R Painter	2005
Humidity influences exercise capacity in subjects with exercise-induced bronchoconstriction (EIB)	T. Stensrud, S. Berntsen, K.-H. Carlsen	2005
Pulmonary gas exchange in diving	R. E. Moon, A. D. Cherry, B. W. Stolp, E. M. Camporesi	2008
Prognostic Significance of Sympathetic Nervous System Activation in Pulmonary Arterial Hypertension	Agnieszka Ciarka , Vi Doan , Sonia Velez-Roa, Robert Naeije, and Philippe van de Borne	2009

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
The clinical utility of long-term humidification therapy in chronic airway disease	Harold Rea, Sue McAuley, Lata Jayaram, Jeffrey Garrett, Hans Hockey, Louanne Storey, Glenis O'Donnell, Lynne Haru, Matthew Payton, Kevin O'Donnell	2009
Evaluation of critical flicker fusion frequency and perceived fatigue in divers after air and enriched air nitrox diving	Pierre Lafere, Ciostantino Balestra, Walker Hemelryck, Nicole Donda, Ahmed Sakr, Adel Taher, & Peter Germonpre	2010
Exercise carbon dioxide (CO ₂) retention with inhaled CO ₂ and breathing resistance	Barbara E. Shykoff, Dan E. Warkander	2012
The effectiveness of heliox in acute respiratory distress syndrome	Sema Yilmaz, Kenan Daglioglu, Dincer Yildizdas, Ibrahim Bayram, Derya Gumurdulu, Sait Polat	2012
Divers revisited: The ventilatory response to carbon dioxide in experienced scuba divers	Christopher Matthew Norton Earing, Damian John McKeon, Hans-Peter Kubis	2014
Sympathetic Nerve Activity and Simulated Diving in Healthy Humans	Abu Shamsuzzaman, Michael J. Ackerman, Fatima Sert Kuniyoshi, Valentina Accurso, Diane Davison, Raouf S. Amin, and Virend K. Somers	2014
Hypercapnia: clinical relevance and mechanisms of action	Claire Masterson, Gail Otulakowski, and Brian P. Kavanagh	2014
Modeling the diving bradycardia: Toward an "oxygen conserving breaking point"?	Guillaume Costalat, Aurélien Pichon, Fabrice Joulia, Frédéric Lemaître	2015
The provision of breathing gas to divers in emergency situations - RR1073	Nick Bailey (UK-HSE)	2015
Comparison between the acute pulmonary vascular effects of oxygen with nitric oxide and sildenafil	Ronald W. Day	2015
The effect of pre-dive ingestion of dark chocolate on endothelial function after a scuba dive.	Sigrid Theunissen, Costantino Balestra, Antoine Boutros, David De Bels, François Guerrero, and Peter Germonpré	2015
Ascorbic acid supplementation diminishes microparticle elevations and neutrophil activation following SCUBA diving	Ming Yang, Otto F. Barak, Zeljko Dujic, Dennis Madden, Veena M. Bhopale, Jasjeet Bhullar, and Stephen R. Thom	2015
Endothelial nitric oxide synthase: a potential therapeutic target for cerebrovascular diseases	Jinqiang Zhu, Wanshan Song, Lin Li, and Xiang Fan	2016
Effects of heated and humidified high flow gases during high-intensity constant-load exercise on severe COPD patients with ventilatory limitation	Serena Cirio, Manuela Piran, Michele Vitacca, Giancarlo Piaggi, Piero Ceriana, Matteo Prazzoli, Mara Paneroni, Annalisa Carlucci	2016
Lung function, percent emphysema, and QT duration: The Multi-Ethnic Study of Atherosclerosis (MESA) lung study	Hilary F. Armstrong, Gina S. Lovasi, Elsayed Z. Soliman, Susan R. Heckbert, Bruce M. Psaty, John H.M. Austin, Jerry A. Krishnan, Eric A. Hoffman, Craig Johnson, Matthew J. Budoff, Karol E. Watson, R. Graham Barr	2016

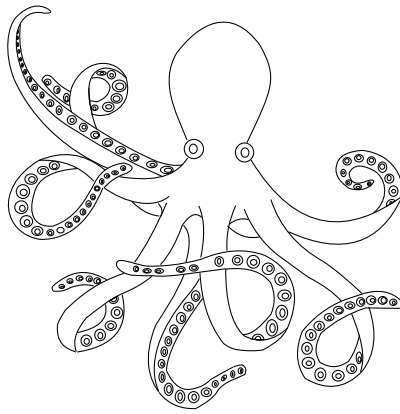
<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Gas exchange Disturbances Regulate Alveolar Fluid Clearance during Acute Lung injury	István Vadász & Jacob I. Sznajder	2017
Objective vs. Subjective Evaluation of Cognitive Performance During 0.4-MPa Dives Breathing Air or Nitrox	Peter Germonpré, Costantino Balestra, Walter Hemelryck, Peter Buzzacott, Pierre Lafère	2017
Simulated High Altitude Helium-Oxygen Diving	Lu Shi, Yan-meng Zhang, Katsuura Tetsuo, Zhong-yuan Shi, Yi-qun Fang, Petar J. Denoble, Yang-yang Li	2017
Hemoglobin and Erythropoietin After Commercial Saturation Diving	Fatima Z. Kiboub, Costantino Balestra, Øyvind Loennechen, Ingrid Efteda	2018
Arterial Blood Gas Analysis in Breath-Hold Divers at Depth	Gerardo Bosco, Alex Rizzato, Luca Martani, Simone Schiavo, Ennio Talamonti, Giacomo Garetto, Matteo Paganini, Enrico M. Camporesi, and Richard E. Moon.	2018
Reduction in the Level of Plasma Mitochondrial DNA in Human Diving, Followed by an Increase in the Event of an Accident	Jean-Eric Blatteau, Sandrine Gaillard, Sébastien De Maistre, Simone Richard, Pierre Louges, Emmanuel Gemppe, Arnaud Druelles, Henri Lehot, Jean Morin, Olivier Castagna, Jacques H. Abraini, Jean-Jacques Risso,	2018
Immunopathology of Airway Surface Liquid Dehydration Disease	Brandon W. Lewis, Sonika Patial, and Yogesh Saini	2019
Circadian rhythm of exhaled biomarkers in health and asthma	Amir Hadanny, Tal Zubari, Liat Tamir-Adler, Yair Bechor, Gregory Fishlev, Erez Lang, Nir Polak, Jacob Bergan, Mony Friedman, and Shai Efrati	2019
Studies of body weight/heart weight ratio in treated and untreated experimental barotrauma.	Piotr Siermontowski, Wojciech Kozłowski, Katarzyna Pleskacz	2019
Adaptive response triggered by the repeated SCUBA diving is reflected in cardiovascular, muscular, and immune biomarkers	Marko Žarak, Antonija Perovic, Marina Njire Braticovic, Sandra Šupraha Goreta, Jerka Dumic	2020
Effects of inspiratory muscle training versus high intensity interval training on the recovery capacity after a maximal dynamic apnoea in breath-hold divers. A randomised crossover trial	Authors: Francisco de Asís-Fernández, Tamara del Corral, Ibai López-de-Uralde-Villanueva	2020
Cardiovascular testing of seasickness in healthy volunteers on life rafts.	Andrzej Molisz, Tomasz Przewozny, Katarzyna Nowicka-Sauer, Marta Sauer	2020
Xuebijing attenuates decompression-induced lung injuries.	Wen-tao Meng, Long Qing, Quan Zhou, Wei-gang Xu	2020
Feasibility of Detecting Brain Areas Involved in Extreme Breath-Hold Diving	Patrice Jissendi-Tchofo, Yassin Jdaoudi, Peter Germonpré, Danilo Cialoni, Andrea Brizzolari, Patrick Musimu, Costantino Balestra.	2021
Routine Chest X-Rays Are Inaccurate in Detecting Relevant Intrapulmonary Anomalies During Medical Assessments of Fitness to Dive	Thijs T. Wingelaa, Leonie Bakker, Frank J. Nap, Pieter-Jan A. M. van Ooij, Edwin L. Endert, and Rob A. van Hulst.	2021

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Breath-Hold Diving – The Physiology of Diving Deep and Returning	Alexander Patrician, Željko Dujic, Boris Spajic, Ivan Drviš, and Philip N. Ainslie.	2021
Lung function changes of divers after single deep heliox diving	Xiao-Chen Bao, Yi-Qun Fang, Tao Yang, Yong-jun Sun, Jun Ma, Ji Xu, Nan Wang, Fang-Fang Wang	2021
Using Underwater Pulse Oximetry in Freediving to Extreme Depths to Study Risk of Hypoxic Blackout and Diving Response Phases	Eric Mulder, Arne Sieber, & Erika Schagatay	2021
Diving Responses in Experienced Rebreather Divers: Short-Term Heart Rate Variability in Cold Water Diving	Richard V. Lundell, Laura Tuominen, Tommi Ojanen, Kai Parkkola, & Anne Räisänen-Sokolowski	2021
The Circulatory Effects of Increased Hydrostatic Pressure Due to Immersion and Submersion	Robert P. Weenink, & Thijs T. Wingelaar	2021
Heart Rate Variability During a Standard Dive: A Role for Inspired Oxygen Pressure?	Pierre Lafère, Kate Lambrechts, Peter Germonpré, Ambre Balestra, Faye Lisa Germonpré, Danilo Cialoni, Alessandro Marroni, Gerardo Bosco, & Costantino Balestra	2021
Human Physiological Responses to a Single Deep Helium-Oxygen Diving	Xiao-Chen Bao, Quan Shen, Yi-Qun Fang, Jian-guo Wu	2021
Mechanisms of Hypoxia-Induced Pulmonary Arterial Stiffening in Mice Revealed by a Functional Genetics Assay of Structural, Functional, and Transcriptomic Data	Edward P. Manning, Abhay B. Ramachandra, Jonas C. Schupp, Cristina Cavinato, Micha Sam Brickman Raredon, Thomas Bärnthaler, Carlos Cosme Jr., Inderjit Singh, George Tellides, Naftali Kaminski, and Jay D. Humphey	2021
Endothelial Injury in Diving: Atomic Force-, Electronic-, and Light-Microscopy Study of the Ovine Decompressed Blood Vessels	Ran Arieli	2021
Extreme Hypoxia Causing Brady-Arrhythmias During Apnea in Elite Breath-Hold Divers	Thomas Kjeld, Anders Brenøe Isbrand, Katrine Linnet, Bo Zerahn, Jens Højberg, Egon Godthaab Hansen, Lars Christian Gormsen, Jacob Bejder, Thomas Krag, John Vissing, Hans Erik Bøtker, and Henrik Christian Arendrup	2021
Hydrogen, a Novel Therapeutic Molecule, Regulates Oxidative Stress, Inflammation, and Apoptosis	Yan Tian, Yafang Zhang, Yu Wang, Yunxi Chen, Weiping Fan, Jianjun Zhou, Jing Qiao, and Youzhen Wei	2021
Effect of hyperbaric exposure on pulmonary functions in hyperbaric chamber inside attendants	Levent Demir & Mustafa Avc	2022
White Blood Cells, Platelets, Red Blood Cells and Gas Bubbles in SCUBA Diving: Is There a Relationship?	Danilo Cialoni, Andrea Brizzolari, Alessandra Barassi, Gerardo Bosco, Massimo Pieri, Valentina Lancellotti, and Alessandro Marroni	2022
Volatile Organic Compounds Frequently Identified after Hyperbaric Hyperoxic Exposure: The VAPOR Library.	Feiko J. M. de Jong, Paul Brinkman, Thijs T. Wingelaar, Pieter-Jan A. M. van Ooij, and Rob A. van Hulst	2022
Effect of a Single Simulated 500m Saturation Dive on Lung Function	Ningfang Lian, Sijiao Wang, Lijuan Hu, Liping Xue, Ying Gong, Li Li, Yanjie Yang, and Lei Zhu	2022
How to Survive 33 min after the Umbilical of a Saturation Diver Severed at a Depth of 90 msw?	Sven Dreyer, Andreas Deussen, Dietmar Berndt, and Jochen D. Schipke	2022

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Protein tau concentration in blood increases after SCUBA diving: An observational study	Anders Rosén, Mikael Gennser, Nicklas Oscarsson, Andreas Kvarnström, Göran Sandström, Helen Seeman Lodding, Joel Simrén, Henrik Zetterberg.	2022
Hypercapnia from Physiology to Practice	Amilkar Almanza-Hurtado, Camilo Polanco Guerra, Maria Cristina Martínez-Avila, Diana Borre-Naranjo, Tomas Rodriguez-Yanez, and Carmelo Dueñas-Castell	2022
Changes in Specific Biomarkers Indicate Cardiac Adaptive and Anti-inflammatory Response of Repeated Recreational SCUBA Diving	Jerka Dumi, Ana Cvetko, Irena Abramovi, Sandra Šupraha Goreta, Antonija Perovi, Marina Njire Braticevi, Domagoj Kifer, Nino Sincic, Olga Gornik, and Marko Žarak	2022
Self-reported respiratory outcomes associated with blast exposure in post 9/11 veterans	Stella E. Hines, Joanna M. Gaitens, Clayton H. Brown, Danielle R. Glick, Katherine H. Chin, Maxwell A. Reback, Melissa A. McDiarmid	2022
Exponential Relationship Between Maximal Apnea Duration and Exercise Intensity in Non-apnea Trained Individuals	Authors: Alexandre Guimard, Fabrice Joulia, Fabrice Prieur, Gauthier Poszalczyk, Kader Helme, and François J. Lhuissier	2022
Full-Face Mask Use during SCUBA Diving Counters Related Oxidative Stress and Endothelial Dysfunction	Authors: Morgan Levenez, Kate Lambrechts, Simona Mrakic-Sposta, Alessandra Vezzoli, Peter Germonpré, Hadrien Pique, Fabio Virgili, Gerardo Bosco, Pierre Lafère, and Costantino Balestra	2022
Pulmonary ventilation and gas exchange during prolonged exercise in humans: Influence of dehydration, hyperthermia and sympathoadrenal activity.	José González-Alonso, José A. L. Calbet, Ricardo Mora-Rodríguez, Pascale Kippelen	2022
Pulmonary Effects of One Week of Repeated Recreational Closed-Circuit Rebreather Dives in Cold Water.	Emmanuel Gouin, Costantino Balestra, Jeremy Orsat, Emmanuel Dugrenot, and Erwan L'Her	2022
Hypoxia signatures in closed-circuit rebreather divers	Daniel Popa, Craig Kutz, Morgan Carlile, Kaighley Brett, Esteban A Moya, Frank Powell, Peter Witucki, Richard Sadler, Charlotte Sadler	2022
The Normobaric Oxygen Paradox - Hyperoxic Hypoxic Paradox: A Novel Expedient Strategy in Hematopoiesis Clinical Issues	Michele Salvagno, Giacomo Coppalini, Fabio Silvio Taccone, Giacomo Strapazzon, Simona Mrakic-Sposta, Monica Rocco, Maher Khalife, and Costantino Balestr	2022
Elevations of Extracellular Vesicles and Inflammatory Biomarkers in Closed Circuit SCUBA Divers	Awadhesh K. Arya, Costantino Balestra, Veena M. Bhopale, Laura J. Tuominen, Anne Räisänen-Sokolowski, Emmanuel Dugrenot, Erwan L'Her, Abid R. Bhat, and Stephen R. Thom	2022
Analysis of Volatile Organic Compounds in Exhaled Breath Following a COMEX-30 Treatment Table.	Feiko J. M. de Jong, Thijs T. Wingelaar, Paul Brinkman, Pieter-Jan A. M. van Ooij, Anke H. Maitland-van der Zee, Markus W. Hollmann, and Rob A. van Hulst	2023
Intraoperative air embolism diagnosis and treatment using hyperbaric oxygen therapy after craniotomy: illustrative case.	Armaan K. Malhotra, Ashton P. Chang, Joseph P. Lawton, Aderaldo Costa Alves Jr., Angela Jerath, Bourke W. Tillmann, Harry Foster, Azad Mashari, Leodante da Costa, and Ashish Kumar	2023
Oxygen uptake (VO ₂) and pulmonary ventilation (V _E) during military surface fin swimming in a swimming flume: Effects of surface immersion.	Olivier Castagna, Jean-Eric Blatteau, Arnaud Druelle, Jordan Amara, and Jean-René Lacour	2023

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Feasibility of chest ultrasound up to 42 m underwater	Matteo Paganini, Giuseppe Cantarella, Danilo Cialoni, Ezio Giuffrè, & Gerardo Bosco	2023
Effects of hyperbaric exposure on mechanical and electronic parameters of implantable cardioverter-defibrillators.	Romain Guenneugues, Anne Henckes, Vincent Mansourati, and Jacques Mansourati	2023
Evaluation of the cardiac functions with tissue doppler before and after hyperbaric oxygen therapy of patients with carbon monoxide poisoning.	Ahmet Burak Simsek, Hazım Alper Gursu, Emine Azak, Yasemin Ozdemir Sahan, Ayse Esin Kibar Gul, Funda Kurt, Ibrahim Ilker Cetin	2023
Ultrasound assessment of the respiratory system using diaphragm motion-volume indices	Alain Boussuges, Guillaume Chaumet, Martin Boussuges, Amelie Menard, Stephane Delliaux, and Fabienne Brégeon	2023
Hyperbaric air mobilizes stem cells in humans; a new perspective on the hormetic dose curve.	Kent J. MacLaughlin, gregory P. Barton, udolf K. Braun, Julia E. MacLaughlin, Jacob J. Lamers, Mathew D. Marcou, and Marlowe W. Eldridge	2023
Individual Changes in Respiratory Compliance Upon Immersion May Predict Susceptibility to Immersion Pulmonary Edema	Olivier Castagna, Arnaud Druelle, Guillaume Michoud, Thibaut Prevautel, and Jean René Lacour	2023
The Dynamic Response of Human Lungs Due to Underwater Shock Wave Exposure	Eyal Bar-Kochba, Alexander S. Iwaskiw, Jenna M. Dunn, Jenna M. Dunn, Timothy P. Harrigan, and Constantine K. Demetropoulos	2023

Decompression



<i>Title</i>	<i>Authors</i>	<i>Published</i>
The Origin of forms and Qualities (according to the corpuscular philosophy) illustrated by considerations and experiments - 1. The Theoretical Part	Robert Boyle	1666
A discovery of the admirable rarefaction of air	Robert Boyle	1671
Oeuvres de Marriotte	Edme Marriotte	1740
Experiments on the quantity of gases absorbed by water , at different temperatures , and under different pressures	William Henry	1802
Mémoire sur un appareil à air comprime	Triger	1841
Caisson disease and coal mining	Pol & Watelle	1845
Considerations on the health of sponge divers	Leroy de Mericourt	1867
Caisson disease (Brooklyn bridge)	Andrew H. Smith	1873
Caisson disease during the construction of the Eads and Brooklyn bridges: A review	W. P Butler	2004
Barometric pressure	Paul Bert	1878
Compressed air illness	Hugh Snell	1896
The prevention of compressed-air illness	Haldane, Boycott, Damant	1908
Caisson sickness, and physiology of work in compressed air.	Sir Leonard Hill	1912
Body size and metabolic rate	Max Kleiber	1947
Calculation of air decompression tables – project NS185-005 subtask 5 test 3	J. V. Dwyer	1955

<i>Title</i>	<i>Authors</i>	<i>Published</i>
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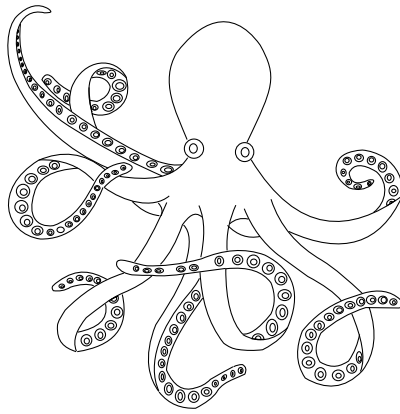
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Oxygen



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Ketogenic diet for high partial pressure oxygen diving	Jason M. Valadao, John A. Vigilante, Nicholas W. DiGeorge, Sunila E. O'Connor, Alexandria Bear, Jeffrey Kenyon, Heather Annis, Joseph Dituri, Amy E. Dituri, Harry T. Whelan.	2014
Effect of elevated oxygen concentration on bacteria, yeasts, and cells propagated for production of biological compounds	Antonino Baez, Joseph Shiloach, Tadeusz Doboszynski.	2014
Optimization of diving with Nitrox over-oxygenated breathing mixtures to depths of 15 to 50 metres	Mircea Degeratu, Simona Rus, Ana Ion.	2015
Optimization of diving with "nitrox" over-oxygenated breathing mixtures to depths of 15 to 40 metres.	Mircea Degeratu, Simona Rus, & Ana Ion	2015
Residual oxygen time model for oxygen partial pressure near 130 kPa (1.3 atm)	Barbara E. Shykoff	2015
Nutritional considerations during prolonged exposure to a confined, hyperbaric, hyperoxic environment: recommendations for saturation divers.	S. K. Deb 1,2 , P. A. Swinton 1 and E. Dolan	2016
Breathing 100% oxygen during water immersion improves postimmersion cardiovascular responses to orthostatic stress	John P. Florian, Ki H. Chon, Luca Faes, Barbara E. Shykoff	2016
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Effects of oxygen-enriched air on cognitive performance during SCUBA-diving – an open-water study	Anne-Kathrin Brebeck, Andreas Deussen, Henning Schmitz-Peiffer, Ursula Ranged, Costantino Balestra, Sinclair Cleveland, and Jochen D. Schipke	2017
UPTD calculations should not be used	Barbara Shykoff	2017
Oxygen toxicity and special operations forces diving: Hidden and dangerous	Thijs T. Wingelaar, Pieter-Jan A. M. van Ooij, Rob A. van Hulst	2017
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Hyperbaric Oxygen Environment Can Enhance Brain Activity and Multitasking Performance.	Dor Vadas , Leonid Kalichman, Amir Hadanny , and Shai Efrat	2017

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Effect of oxygen tension and rate of pressure reduction during decompression on central gas bubbles	Alf O Brubakk, Randi Eidsmo Reinertsen, V. Flook, & S. Koteng	2018
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Hyperbaric Oxygen Increases Stem Cell Proliferation, Angiogenesis and Wound-Healing Ability of WJ-MSCs in Diabetic Mice	Isaac Peña-Villalobos, Ignacio Casanova-Maldonado, Pablo Lois, & Catalina Prieto.	2018
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Pulmonary effects of repeated six-hour normoxic and hyperoxic dives	Barbara E. Shykoff & John P. Florian	2018
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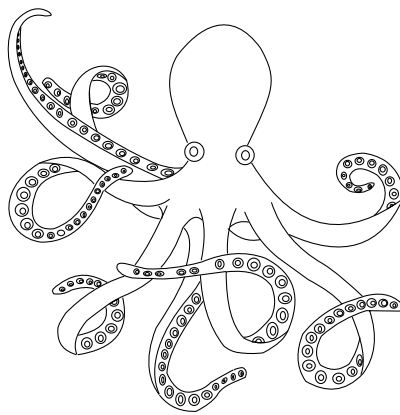
<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Early hyperbaric oxygen therapy improves survival in a model of severe sepsis	Jonathan L. Halbach, James M. Prieto, Andrew W. Wang, Dennis Hawisher, David M. Cauvi, Tony Reyes, Jonathan Okerblom, Israel Ramirez-Sanchez, Francisco Villarreal, Hemal H. Patel, Stephen W. Bickler, George A. Perdrizet, and Antonio De Maio	2019
Power Equation for Predicting the Risk of Central Nervous System Oxygen Toxicity at Rest	Ben Aviner, Ran Arieli, Alexandra Yalov	2020
Chronicles of hyperbaric oxygen treatment	Tahreem Fatima	2020
Hyperbaric Oxygen Therapy: Descriptive Review of the Technology and Current Application in Chronic Wounds	Babak Hajhosseini, Britta A. Kuehlmann, Clark A. Bonham, Kathryn J. Kamperman, Geoffrey C. Gurtner	2020
Hyperbaric Oxygen Therapy: Descriptive Review of the Technology and Current Application in Chronic Wounds	Babak Hajhosseini, Britta A. Kuehlmann, Clark A. Bonham, Kathryn J. Kamperman, Geoffrey C. Gurtner	2020
Effect of antiplatelet and/or anticoagulation medication on the risk of tympanic barotrauma in hyperbaric oxygen treatment patients, and development of a predictive model.	Adam E Howard, Peter Buzzacott, Ian C Gawthrop, Neil D Banham	2020
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Hydrogen, a Novel Therapeutic Molecule, Regulates Oxidative Stress, Inflammation, and Apoptosis	Yan Tian, Yafang Zhang, Yu Wang, Yunxi Chen, Weiping Fan, Jianjun Zhou, Jing Qiao, and Youzhen Wei	2021
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<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Epidermal Growth Factor Receptor Inhibition Is Protective in Hyperoxia-Induced Lung Injury	Zachary M. Harris, Ying Sun, John Joerns, Brian Clark, Buqu Hu, Asawari Korde, Lokesh Sharma, Hyeon Jun Shin, Edward P. Manning, Lindsey Placek, Derya Unutmaz, Gail Stanley, Hyung Chun, Maor Sauler, Govindarajan Rajagopalan, Xuchen Zhang, Min-Jong Kang, and Jonathan L. Kof	2022
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The Effect of Hemoglobin Concentration on Hyperbaric Oxygen and Non-hyperbaric Oxygen in the Treatment of Hypertensive Intracerebral Hemorrhage After Operation at the High Altitude	Linjie Wei, Chi Lin, Xingsen Xue, Shiju Jila, Yalan Dai, Li Pan, Wei Wei, Guodong Dun, Yong Shen, Taoxi Zong, Jingjing Wu, Yafang Li, Lixia Wu, Jishu Xian 3 and Anyong Yu	2022
Hyperbaric Exposure of Scuba Divers Affects the Urinary Excretion of Nucleic Acid Oxidation Products and Hypoxanthine	Enrico Marchetti, Daniela Pignini, Mariangela Spagnoli, Giovanna Tranfo, Flavia Buonauro, Fabio Sciubba, Ottavia Giampaoli, Ifredo Miccheli, Alessandro Pinto, Nazzareno De Angelis, and Luigi Fattorini	2022
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An Introduction to Reactive Oxygen Species	Agilent - https://www.agilent.com/en	2022
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Does hyperbaric oxygen cause narcosis or hyperexcitability? A quantitative EEG analysis	Xavier C. E. Vrijdag, Hanna van Waart, Chris Sames, Simon J. Mitchell, & Jamie W. Sleight	2022
Pulmonary Oxygen Toxicity Through Exhaled Breath Markers After Hyperbaric Oxygen Treatment Table 6	Feiko J. M. de Jong, Thijs T. Wingelaar, Paul Brinkman, Pieter-Jan A. M. van Ooij, Anke-Hilse Maitland-van der Zee, Marcus W. Hollmann, and Rob A. van Hulst	2022
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The role of routine pulmonary imaging before hyperbaric oxygen treatment	Connor TA Brenna, Shawn Khan, George Djaiani, Jay C Buckley Jr. , Rita Katznelson	2022
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<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Contribution of Adenosine in the Physiological Changes and Injuries Secondary to Exposure to Extreme Oxygen Pressure in Healthy Subjects.	Alain Boussuges, Jeremy Bourenne, Farid Eloufir, Julien Fromonot, Giovanna Mottola, Jean Jacques Risso, Nicolas Vallee, Fabienne Bregeon, and Régis Guieu	2022
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The role of hyperbaric oxygen therapy in the management of perioperative peripheral nerve injury: a scoping review of the literature.	Connor TA Brenna, Shawn Khan, Rita Katznelson, Richard Brull	2022
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Oxidative Stress Response's Kinetics after 60 Minutes at Different (30% or 100%) Normobaric Hyperoxia Exposures.	Clément Leveque, Simona Mrakic-Sposta, Pierre Lafère, Alessandra Vezzoli, Peter Germonpré, Alexandre Beer, Stéphane Mievis, Fabio Virgili, Kate Lambrechts, , Sigrid Theunissen, François Guerrero, and Costantino Balestra	2022
Adverse Effects of Hyperbaric Oxygen Therapy: a systematic review and meta-analysis	Yu-Yao Zhang, Yi-Jun Zhou, Yuan-Yuan Jia, Tian-Tian Wang, Dian-Huai Meng	2023
Hyperbaric oxygen therapy for patients with hypertension after microsurgery of total avulsion of auricle: a case report.	Chunqin Liu, Mingyi Qin, Xiaojuan Hou, Yu Li, Zongze He	2023
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Contribution of Hyperbaric Oxygen Therapy in the Management of Gas Gangrene, Necrotizing Fasciitis and Suppuration of the Limbs	Mehdi Abakka, MJ Mekkaoui, M. Bouffetal, RA Bassir, M. Kharmaze, MO Lamrani, MS Berrada	2023
Evaluation of the cardiac functions with tissue doppler before and after hyperbaric oxygen therapy of patients with carbon monoxide poisoning.	Ahmet Burak Simsek, Hazım Alper Gursu, Emine Azak, Yasemin Ozdemir Sahan, Ayse Esin Kibar Gul, Funda Kurt, Ibrahim Ilker Cetin	2023
Safety of Hyperbaric Oxygenation Treatment and Evaluation of Associated Clinical Parameters: A Single-Institutional Prospective Cohort Study.	Gonzalo Monge-Martínez, Matías Otto-Yáñez, Nicole Norambuena, Verónica Martínez, Daniela Retamales, Rodrigo Torres-Castro	2023
Pilot Study: The Effectiveness of Hyperbaric Oxygen Therapy in the Treatment of Periodontitis in Patients with Type 2 Diabetes	Katarzyna Latusek, Adrianna Słotwinska-Pawlaczyk, Aleksandra Warakomska, Magdalena Kubicka-Musiał, Rafał Wiench, and Bogusława Orzechowska-Wylegała	2023

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Successful treatment of neurologic injury after complex spinal surgery with hyperbaric oxygen therapy: a case report	Connor T. A. Brenna, Shawn Khan, Rita Katznelson, Katherine Marseu	2023
Oxidative Stress Response Kinetics after 60 Minutes at Different Levels (10% or 15%) of Normobaric Hypoxia Exposure.	Clément Leveque, Simona Mrakic Sposta, Sigrid Theunissen, Peter Germonpré, Kate Lambrechts, Alessandra Vezzoli, Maristella Gussoni, Morgan Levenez, Pierre Lafère, François Guerrero, Costantino Balestra	2023
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Hyperbaric oxygen therapy as an adjunct to corticosteroid treatment in sudden sensorineural hearing loss: a retrospective study.	Piotr H. Skarzynski, Aleksandra Kolodziejak, Elzbieta Gos, Magdalena B. Skarzynska, Natalia Czajka, and Henryk Skarzynsk	2023
Hyperbaric Oxygen and Outcomes Following the Brain Injury: A Systematic Review.	Javed Iqbal, Abdullah Naeem, Kainat Jahangir, Yumna Ali, Yusra Mashkoo, Ahmer Ashraf, Dalia Mehmood, Maria Mehmood, and Lucke-Wold Brandon	2023
Safe Use of Hyperbaric Oxygen Therapy in the Treatment of Diabetic Foot Ulcers: A Multidisciplinary Approach to Minimize Adverse Effects	Arman Vahabi, Merve Mert, Huseyin Aytaç Erdem, Ilgın Yıldırım Simsir, Meltem Isikgoz Tasbakan, and Anıl Murat Ozturk	2023
Oxidative Stress Response Kinetics after 60 Minutes at Different (1.4 ATA and 2.5 ATA) Hyperbaric Hyperoxia Exposures	Clément Leveque, Simona Mrakic Sposta, Sigrid Theunissen, Peter Germonpré, Kate Lambrechts, Alessandra Vezzoli, Gerardo Bosco, Morgan Lévénéz, Pierre Lafère, François Guerrero, and Costantino Balestra	2023
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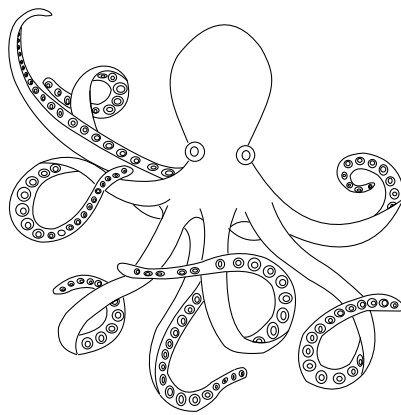
Other gasses



<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Experimental essays - On the constitution of mixed gas	John Dalton	1802
The action of carbonic acid on man	John Scott Haldane	1895
Method of estimating the oxygen and carbonic acid in small quantities of blood	Joseph Barcroft & John Scott Haldane	1902
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Divers revisited: The ventilatory response to carbon dioxide in experienced scuba divers	Christopher Matthew Norton Earing, Damian John McKeon, Hans-Peter Kubis	2014
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Investigating critical flicker fusion frequency for monitoring gas narcosis in divers	Xavier CE Vrijdag, Hanna van Waart, Jamie W Sleigh, Costantino Balestra, Simon J Mitchel	2020

<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
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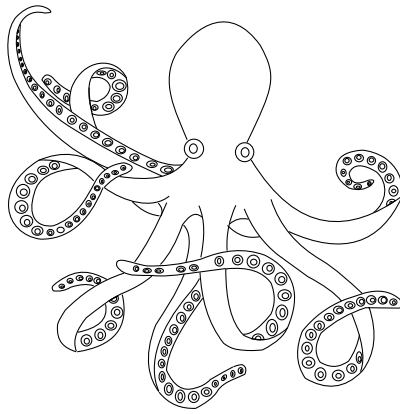
Pathogens



<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Dependence of Escherichia coli Hyperbaric Oxygen Toxicity on the Lipid Acyl Chain Composition	John B Hartley, George m Santangelo, Howard Rasmussen, Howard Goldfine	1978
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Effect of elevated oxygen concentration on bacteria, yeasts, and cells propagated for production of biological compounds	Antonino Baez, Joseph Shiloach, Tadeusz Doboszynski.	2014
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<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
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Symptomatic or asymptomatic SAR-CoV-2 positive divers should be medically evaluated before returning to scuba diving	Jean Morin, Nicolas Vallée, Pierre-Louis Dufresne, Sarah Rives, Henri Lehot, Lucille Daubresse, Romain Roffi, Arnaud Druelle, Pierre-Julien Cungi, and Jean-Eric Blatteau	2022
How fit are military hyperbaric personnel after an asymptomatic or mild symptomatic COVID-19 infection? A retrospective study	Jan-Peter Schaap, Margy E Zuluaga Fernandez, Antoinette Houtkooper , Edwin L Endert, Pieter-Jan AM van Ooij	2023

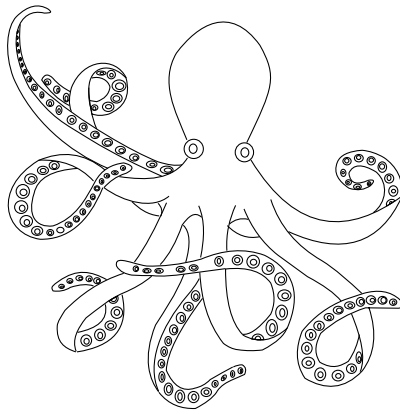
Thermal



<i>Title</i>	<i>Authors</i>	<i>Year publication</i>
Thermal Conductivity of Gases. III. Some Values of the Thermal conductivities of Argon, Helium, and Nitrogen from 0°C to 75°C at Pressures of 1 X 10 ⁵ to 2.5 X 10 ⁷ Pascals	Leslie A. Guildner	1974
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