

# David Wertheim

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

1,509  
citations

331538

21  
h-index

360920

35  
g-index

106  
all docs

106  
docs citations

106  
times ranked

1346  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Comparison of three methods of facial measurement. International Journal of Oral and Maxillofacial Surgery, 2007, 36, 250-258.   | 0.7 | 153       |
| 2  | Cerebral blood flow velocity changes after rapid administration of surfactant.. Archives of Disease in Childhood, 1991, 66, 1105-1109.   | 1.0 | 114       |
| 3  | The use of anthropometric proportion indices in the measurement of facial attractiveness. European Journal of Orthodontics, 2005, 28, 274-281.   | 1.1 | 78        |
| 4  | THE EFFECT OF PETHIDINE ON THE NEONATAL EEG. Developmental Medicine and Child Neurology, 1992, 34, 155-163.  | 1.1 | 57        |
| 5  | Comparison of radiographic and photographic measurement of mandibular asymmetry. American Journal of Orthodontics and Dentofacial Orthopedics, 2003, 123, 167-174.   | 0.8 | 55        |
| 6  | The Use of Facial Anthropometrics in Aesthetic Assessment. Cleft Palate-Craniofacial Journal, 2010, 47, 48-57.   | 0.5 | 45        |
| 7  | Characterisation of the macroporosity of polycaprolactone-based biocomposites and release kinetics for drug delivery. Biomaterials, 2007, 28, 4619-4627.   | 5.7 | 44        |
| 8  | A computerized photographic assessment of the relationship between skeletal discrepancy and mandibular outline asymmetry. European Journal of Orthodontics, 2006, 28, 97-102.                              | 1.1 | 42        |
| 9  | Haemogregarina bigemina (Protozoa: Apicomplexa: Adeleorina) - past, present and future. Folia Parasitologica, 2004, 51, 99-108.  | 0.7 | 41        |
| 10 | Automated electroencephalographic discontinuity in cooled newborns predicts cerebral MRI and neurodevelopmental outcome. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F58-F64. | 1.4 | 39        |
| 11 | Clinical and computerized assessment of mandibular asymmetry. European Journal of Orthodontics, 2001, 23, 485-494.   | 1.1 | 35        |
| 12 | Segmentation of microscope images of living cells. Pattern Analysis and Applications, 2007, 10, 301-319.   | 3.1 | 33        |
| 13 | Production and in vitro evaluation of macroporous, cell-encapsulating alginate fibres for nerve repair. Materials Science and Engineering C, 2017, 73, 653-664.  | 3.8 | 32        |
| 14 | Micro-CT in drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 41-49.  | 2.0 | 30        |
| 15 | A new fish haemogregarine from South Africa and its suspected dual transmission with trypanosomes by a marine leech. Folia Parasitologica, 2006, 53, 241-248.  | 0.7 | 30        |
| 16 | SwanMesh: A Multicast Enabled Dual-Radio Wireless Mesh Network for Emergency and Disaster Recovery Services. Journal of Communications, 2009, 4, .   | 1.3 | 26        |
| 17 | Change in cranio-cervical angulation following orthognathic surgery. European Journal of Orthodontics, 2005, 27, 268-273.  | 1.1 | 25        |
| 18 | Nasofacial angle and nasal prominence: A quantitative investigation of idealized and normative values. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 446-452.  | 0.7 | 25        |

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|----|---|-----|-----------|
| 19 | Colocalization Analysis of Sialomucins CD34 and CD164. <i>Stem Cells</i> , 2003, 21, 162-170.   | 1.4 | 24        |
| 20 | PHARMACEUTICAL TECHNOLOGY: Micro-CT Analysis of Matrix-Type Drug Delivery Devices and Correlation With Protein Release Behaviour. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 2854-2862.                                  | 1.6 | 23        |
| 21 | Extracting respiratory data from pulse oximeter plethysmogram traces in newborn infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2009, 94, F301-F303.   | 1.4 | 22        |
| 22 | Reversible changes in cerebral activity associated with acidosis in preterm neonates. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1994, 83, 486-492.  | 0.7 | 21        |
| 23 | Outcome measurement in the correction of mandibular asymmetry. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2004, 125, 435-443.  | 0.8 | 21        |
| 24 | Nasofrontal Angle and Nasal Dorsal Aesthetics: A Quantitative Investigation of Idealized and Normative Values. <i>Facial Plastic Surgery</i> , 2016, 32, 444-451.   | 0.5 | 20        |
| 25 | The aesthetic impact of upper lip inclination in orthodontics and orthognathic surgery. <i>European Journal of Orthodontics</i> , 2015, 37, 81-86.  | 1.1 | 19        |
| 26 | A new method of imaging particle tracks in solid state nuclear track detectors. <i>Journal of Microscopy</i> , 2010, 237, 1-6.  | 0.8 | 18        |
| 27 | Performance of pristine and retrofitted hybrid steel/fibre reinforced polymer composite shear walls. <i>Construction and Building Materials</i> , 2016, 117, 198-208.   | 3.2 | 18        |
| 28 | Submental-Cervical Angle: Perceived Attractiveness and Threshold Values of Desire for Surgery. <i>Journal of Maxillofacial and Oral Surgery</i> , 2016, 15, 469-477.  | 0.6 | 18        |
| 29 | Validation of a new three-dimensional imaging system using comparative craniofacial anthropometry. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2017, 39, 23.  | 0.7 | 18        |
| 30 | Analysis of Retrieved Growth Guidance Sliding LSZ-4D Devices for Early Onset Scoliosis and Investigation of the Use of Nitinol Rods for This System. <i>Spine</i> , 2015, 40, 17-24.  | 1.0 | 17        |
| 31 | Curcumin In Situ Gelling Polymeric Insert with Enhanced Ocular Performance. <i>Pharmaceutics</i> , 2020, 12, 1158.  | 2.0 | 17        |
| 32 | Mentolabial angle and aesthetics: a quantitative investigation of idealized and normative values. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2017, 39, 4.  | 0.7 | 16        |
| 33 | Normative anthropometry and proportions of the Kenyan-African face and comparative anthropometry in relation to African Americans and North American Whites. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2019, 41, 9. | 0.7 | 15        |
| 34 | The maxillary incisor labial face tangent: clinical evaluation of maxillary incisor inclination in profile smiling view and idealized aesthetics. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2019, 41, 31.           | 0.7 | 15        |
| 35 | Pressure Oscillation Amplitude after Interruption of Tidal Breathing as an Index of Change in Airway Mechanics in Preschool Children. <i>Pediatric Pulmonology</i> , 2005, 40, 420-425.   | 1.0 | 14        |
| 36 | A NEW SYSTEM FOR COTSIDE DISPLAY AND ANALYSIS OF THE PRETERM NEONATAL ELECTROENCEPHALOGRAM. <i>Developmental Medicine and Child Neurology</i> , 1991, 33, 1080-1086.  | 1.1 | 14        |

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|----|---|-----|-----------|
| 37 | Reliable multimedia multicast communications over wireless mesh networks. IET Communications, 2010, 4, 1288.  | 1.5 | 14        |
| 38 | Blood pressure intervention levels in preterm infants: pilot randomised trial. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F298-F305.  | 1.4 | 14        |
| 39 | Quantitative use of photography in orthognathic outcome assessment. British Journal of Oral and Maxillofacial Surgery, 2011, 49, 121-126.   | 0.4 | 12        |
| 40 | 3-D imaging of particle tracks in solid state nuclear track detectors. Natural Hazards and Earth System Sciences, 2010, 10, 1033-1036.  | 1.5 | 11        |
| 41 | Comparison of the behaviour of steel, pure FRP and hybrid shear walls under cyclic seismic loading in aspect of stiffness degradation and energy absorption. Construction and Building Materials, 2018, 165, 621-630. | 3.2 | 11        |
| 42 | How should we estimate driving pressure to measure interrupter resistance in children?. Pediatric Pulmonology, 2007, 42, 757-763.   | 1.0 | 10        |
| 43 | Measurement and repeatability of interrupter resistance in unsedated newborn infants. Pediatric Pulmonology, 2009, 44, 1168-1173.   | 1.0 | 10        |
| 44 | Proportions of the aesthetic African-Caribbean face: idealized ratios, comparison with the golden proportion and perceptions of attractiveness. Maxillofacial Plastic and Reconstructive Surgery, 2018, 40, 20.       | 0.7 | 10        |
| 45 | Computer assisted assessment of wound appearance using digital imaging. , 0, , .  |     | 8         |
| 46 | Mandibular outline assessment in three groups of orthodontic patients. European Journal of Orthodontics, 2002, 24, 605-614.   | 1.1 | 8         |
| 47 | Monitoring respiration in wheezy preschool children by pulse oximetry plethysmogram analysis. Medical and Biological Engineering and Computing, 2013, 51, 965-970.  | 1.6 | 8         |
| 48 | Aesthetic impact of the upper component of the nasolabial angle: A quantitative investigation. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2015, 27, 470-476.                                 | 0.2 | 8         |
| 49 | Visualisation and biovolume quantification in the characterisation of biofilm formation in Mycoplasma fermentans. Scientific Reports, 2021, 11, 11259.  | 1.6 | 8         |
| 50 | Absence of fetal heart rate cycling on the intrapartum cardiotocograph (CTG) is associated with intrapartum pyrexia and lower Apgar scores. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 7980-7985.     | 0.7 | 8         |
| 51 | Application of confocal microscopy for surface and volume imaging of solid state nuclear track detectors. Journal of Microscopy, 2014, 254, 42-46.  | 0.8 | 7         |
| 52 | Intra- and Inter-rater Agreement of Superior Vena Cava Flow and Right Ventricular Outflow Measurements in Late Preterm and Term Neonates. Journal of Ultrasound in Medicine, 2018, 37, 2181-2190.                     | 0.8 | 7         |
| 53 | Infant home respiratory monitoring using pulse oximetry. Archives of Disease in Childhood, 2018, 103, 603-605.  | 1.0 | 7         |
| 54 | Analysing chin prominence in relation to the lower lip: The lower lip-chin prominence angle. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 1310-1316.   | 0.7 | 7         |

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|----|--|-----|-----------|
| 55 | Confocal microscopy 3D imaging of diesel particulate matter. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30384-30389.  | 2.7 | 7         |
| 56 | Ankle systolic blood pressure measurement and cuff application. <i>Lancet, The</i> , 1996, 347, 1845-1846.   | 6.3 | 6         |
| 57 | Radon track imaging in CR-39 plastic detectors using confocal scanning laser microscopy. <i>Journal of Microscopy</i> , 2005, 217, 179-183.  | 0.8 | 6         |
| 58 | The Locomotor Capability Index in Diagram Form. <i>Prosthetics and Orthotics International</i> , 2006, 30, 300-304.  | 0.5 | 6         |
| 59 | Effects of etching time on alpha tracks in solid state nuclear track detectors. <i>Science of the Total Environment</i> , 2017, 575, 905-909.  | 3.9 | 6         |
| 60 | Nasolabial angle and nasal tip elevation changes in profile view following a Le Fort I osteotomy with or without the use of an alar base cinch suture: a long-term cohort study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 130, 379-386. | 0.2 | 6         |
| 61 | Quantitative investigation of the esthetic impact of lip prominence in relation to the esthetic line. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 574-581.  | 0.8 | 6         |
| 62 | Three-dimensional visualisation of developmental stages of an apicomplexan fish blood parasite in its invertebrate host. <i>Parasites and Vectors</i> , 2011, 4, 219.  | 1.0 | 5         |
| 63 | Three-dimensional visualization of dermal skin structure using confocal laser scanning microscopy. <i>Journal of Microscopy</i> , 2013, 251, 14-18.  | 0.8 | 5         |
| 64 | Pulse oximetry plethysmogram analysis could help identify infants with possible apnoeas requiring full investigation. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, e222-e224.  | 0.7 | 5         |
| 65 | High resolution 3D confocal microscope imaging of volcanic ash particles. <i>Science of the Total Environment</i> , 2017, 590-591, 838-842.  | 3.9 | 5         |
| 66 | Three-dimensional analysis of CD34 sialomucin distribution on cord blood and bone marrow. <i>British Journal of Haematology</i> , 2003, 122, 771-777.  | 1.2 | 4         |
| 67 | Load balanced multiple gateway support in wireless mesh networks for broadband services. , 2009, , .   |     | 4         |
| 68 | Visual assessment of heart rate variability patterns associated with neonatal infection in preterm infants. <i>Early Human Development</i> , 2019, 134, 31-33.   | 0.8 | 4         |
| 69 | Mandibular shape prediction using cephalometric analysis: applications in craniofacial analysis, forensic anthropology and archaeological reconstruction. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2020, 42, 37.  | 0.7 | 4         |
| 70 | Ultrasound imaging of the leg in patients with chronic wounds. <i>Skin Research and Technology</i> , 1999, 5, 53-55.   | 0.8 | 3         |
| 71 | Biomechanical Characterization of a Micro/Macroporous Polycaprolactone Tissue Integrating Vascular Graft. <i>Cardiovascular Engineering and Technology</i> , 2010, 1, 202-215.   | 0.7 | 3         |
| 72 | Evaluation of Compression under an Elastic Tubular Bandage Utilised as an Introduction to Compression Therapy in the Treatment of Venous Leg Ulcers. <i>Phlebology</i> , 2000, 15, 53-59.  | 0.6 | 3         |

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|----|--|-----|-----------|
| 73 | In vivo pressure profiles of thigh-length graduated compression stockings. <i>British Journal of Surgery</i> , 2002, 86, 572-572.  | 0.1 | 2         |
| 74 | Computer analysis of upper gastrointestinal endoscope images. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2005, 14, 39-44.   | 0.6 | 2         |
| 75 | A system for three dimensional representation of confocal microscope images. , 0, , .  |     | 1         |
| 76 | Graphical Representation of the Five Point Locomotor Capability Index. <i>Prosthetics and Orthotics International</i> , 2009, 33, 295-298.   | 0.5 | 1         |
| 77 | Measurements on liquid solutions using low cost, low power, light emitting diode photo-acoustics. <i>Journal of Physics: Conference Series</i> , 2010, 214, 012030.  | 0.3 | 1         |
| 78 | Investigation of EEG Activity Compared with Mean Arterial Blood Pressure in Extremely Preterm Infants. <i>Frontiers in Neurology</i> , 2018, 9, 87.  | 1.1 | 1         |
| 79 | Pain management in photodynamic therapy: A retrospective cohort study. <i>Journal of the American Academy of Dermatology</i> , 2020, 82, 483-484.  | 0.6 | 1         |
| 80 | The Opinion of Different Observer Groups About the Esthetic Impact and Need for Surgical Correction of Varying Submental Lengths. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 630.e1-630.e9.          | 0.5 | 1         |
| 81 | Anal canal to pubis angle: a novel clinical ultrasound technique for the assessment of the anorectal region. <i>International Urogynecology Journal</i> , 2021, 32, 2421-2427.   | 0.7 | 1         |
| 82 | Five year basal cell carcinoma recurrence rates treated with curettage and cautery, a single centre retrospective cohort study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 1931-1971. | 0.5 | 1         |
| 83 | Home respiratory monitoring in infants born preterm using pulse oximeter plethysmogram analysis. , 2015, , .   |     | 1         |
| 84 | Monitoring respiratory rate from pulse oximeter plethysmogram analysis in acutely wheezy young children. , 2016, , .   |     | 1         |
| 85 | Monitoring respiratory rate from pulse oximetry during treatment of acute severe wheeze in young children. , 2017, , .   |     | 1         |
| 86 | Assessing patent ductus arteriosus in preterm infants from standard neonatal intensive care monitoring. <i>European Journal of Pediatrics</i> , 2021, , 1.   | 1.3 | 1         |
| 87 | Physiological CTG categorization in types of hypoxia compared with MRI and neurodevelopmental outcome in infants with HIE. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, , 1-9.                       | 0.7 | 1         |
| 88 | A prospective cohort study using non-invasive methods of cardiovascular assessment to compare postnatal adaptation in well late preterm and term infants. <i>Early Human Development</i> , 2022, 169, 105579.          | 0.8 | 1         |
| 89 | Computer analysis of photo-acoustic signals to aid development of a non-invasive blood glucose sensor. , 0, , .  |     | 0         |
| 90 | Application of image processing to aid revealing Mozart's hidden words. <i>Imaging Science Journal</i> , 2006, 54, 29-32.  | 0.2 | 0         |

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|-----|--|-----|-----------|
| 91  | Reply to Rommers and Wiggerts. <i>Prosthetics and Orthotics International</i> , 2007, 31, 213.   | 0.5 | 0         |
| 92  | Comment on. <i>Prosthetics and Orthotics International</i> , 2009, 33, 399-400.  | 0.5 | 0         |
| 93  | Extracting Respiratory Data From Pulse Oximeter Plethysmogram Recordings In Acutely Wheezy Preschool Children. , 2010, , .   |     | 0         |
| 94  | Using Pressure Oscillations After Airway Interruption To Assess Response To Bronchodilator In Wheezy Preschool Children. , 2011, , .   |     | 0         |
| 95  | S15â€¦Measuring bronchodilator response by interrupter technique to predict response to inhaled steroid therapy in wheezy preschool children. <i>Thorax</i> , 2015, 70, A13.1-A13. | 2.7 | 0         |
| 96  | S10â€¦Investigation of vessel structure in the vicinity of lung tumours. <i>Thorax</i> , 2016, 71, A8.1-A8.  | 2.7 | 0         |
| 97  | 3D Imaging of Diesel Exhaust Particulate Matter Using High Resolution Confocal Microscopy. , 2020, , .   |     | 0         |
| 98  | Biochemical and cellular characterization of human atherosclerotic carotid plaque and blood flow: Implications for stroke prevention. , 2012, , .                                  |     | 0         |
| 99  | Chlamydia Pneumoniae and Carotid Plaque Morphology: The Link with Ischemic Stroke. , 2016, , .   |     | 0         |
| 100 | Analysis of pulse oximetry traces associated with obstructive apnoeas in children. , 2017, , .   |     | 0         |
| 101 | Home monitoring of respiratory rate from pulse oximetry in children with cystic fibrosis. , 2018, , .  |     | 0         |
| 102 | Respiratory rate monitoring from pulse oximetry to assess treatment response in acute preschool wheeze. , 2019, , .  |     | 0         |
| 103 | Respiratory modulation of the pulse oximeter plethysmogram amplitude as a marker of severity in acutely wheezy young children. , 2020, , .   |     | 0         |
| 104 | 3D imaging of London roadside particulate matter. , 2020, , .  |     | 0         |