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現職

- 高雄醫學大學牙醫學系(服務機關) 教授(職稱) 2016-8~迄今

學歷

- 日本九州齒科大學齒學研究科保存學(服務機關) 博士 1984-4~1988-3
- 私立高雄醫學院牙醫學系(服務機關) 學士 1973-9~1979-6

經歷

- 私立高雄醫學院 (服務機關) 住院醫師(職稱) 1981-8~1982-7
- 日本九州齒科大學 (服務機關) 助手(職稱) 1988-4~2002-12
- 日本九州齒科大學(服務機關) 講師(職稱) 2003-1~2009-7
- 高雄醫學大學牙醫學系(服務機關) 副教授(職稱) 2009-8~2016-7

研究專長及領域

- 牙體復形學
 - 牙科材料學
 - 牙科黏著
-

著作目錄

期刊論文

(依年度排序·最新的排前面)* 通訊作者

1. Je-Kang Du, Chih-Yeh Chao, Kuan-Yu Chiu, Yen-Hao Chang, Ker-Kong Chen*, Ju-Hui Wu* and Juyn-Nan Wu: Antibacterial Properties and Corrosion Resistance of the Newly Developed Biomaterial, Ti–12Nb–1Ag Alloy. *Metals*. 2017, 7(12), 566;
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2. Ker-Kong Chen, Nao-Aki Noda*, Kiyoshi Tajima, Yoshikazu Sano and Yasushi Takase: Intensity of singular stress fields of wedge-shaped defect in human tooth due to occlusal force before and after restoration with composite resins. *Proc IMechE Part H: J Engineering in Medicine*. 2017;231(9):907-922.
3. Ting-Hsun Lan, Chau-Hsiang Wang, Ker-Kong Chen, Moo-Chin Wang*, Huey-Er Lee*: Milling properties of low temperature sintered zirconia blocks for dental use. *Materials Science and Engineering: C*. 2017;73(2017):692-699.
4. Mei-Chun Yeh†, Ker-Kong Chen†, Min-Hsuan Chiang, Chia-Hsin Chen, Ping-Ho Chen, Huey-Er Lee DDS*, Yan-Hsiung Wang*: Low-power laser irradiation inhibits arecoline-induced fibrosis: an in vitro study. *International Journal of Oral Science*. 2017;9(1):38-42.
5. Yu-Chuan Tseng, Kun-Jung Hsu, Ker-Kong Chen, Ju-Hui Wu*, and Chun-Ming Chen*: Relationship between Frontal Gap and Postoperative Stability in the Treatment of Mandibular Prognathism. *BioMed Research International*. Volume 2016, Article ID 7046361, 5 pages.
<http://dx.doi.org/10.1155/2016/7046361>.
6. Hsueh-Liang Chu, Weng-Sing Hwang, Je-Kang Du, Ker-Kong Chen*, Moo-Chin Wang*: Study of crystallization behavior and kinetics of ZrO₂-3Y₂O₃-xSrO (1 ≤ x ≤ 3) precursor powders using an isothermal process. *Ceramics International*. 2016;42(13):15041-15048.
7. Ker-Kong Chen, Chau-Hsiang Wang, Shin-I Wei, Je-Kang Du*: Effect of different acidities of electrolysed water on dentin surface roughness, decalcification and microhardness—a preliminary study. *Dental Materials Journal*. 2016;35(5):803-809.
8. Ker-Kong Chen, Chau-Hsiang Wang, Chun-Chan Ting and Je-Kang Du*: Bonding performance of a temporary tooth coating material to enamel. *Journal of Adhesion Science and Technology*. 2016;30(20):2277-2288.
9. Hsueh-Liang Chu, Weng-Sing Hwang, Je-Kang Du, Ker-Kong Chen*, Moo-Chin Wang*: Crystallization behavior of ZrO₂-3Y₂O₃-xSrO precursor powders synthesized by a coprecipitation process. *Journal of Alloys and Compounds*. 2016;678(5):518-526.
10. Hsueh-Liang Chu, Weng-Sing Hwang, Je-Kang Du, Ker-Kong Chen*, Moo-Chin Wang*: Effect of SrO addition on the growth behavior of ZrO₂-3Y₂O₃ precursor powders synthesized by a coprecipitation process. *Ceramics International*. 2016;42(8):10251-10258.
11. Yuki NAGAMATSU*, Ker-Kong CHEN, Hiroshi NAGAMATSU, Yoshio KOZONO and

Hiroshi SHIMIZU: Application of neutral electrolyzed water to sterilization of alginate impression. Dent. Mater. J. 2016;35(2):270-277.

12. C. H. Wang, J. K. Du, H. Y. Li, H. C. Chang and K. K. Chen*: Factorial analysis of variables influencing mechanical characteristics of a post used to restore a root filled premolar using the finite element stress analysis combined with the Taguchi method. International Endodontic Journal. 2016;49(7): 690-699.
13. Chun-Ming Chen, Steven Lai, Ker-Kong Chen and Huey-Er Lee*: Correlation between the Pharyngeal Airway Space and Head Posture after Surgery for Mandibular Prognathism. BioMed Research International, vol. 2015, Article ID 251021, 8 pages, 2015. doi:10.1155/2015/251021.
14. Hong-Sen Chen, Pei-Ling Yang , Chen-Yi Lee, Ker-Kong Chen and Kun-Tsung Lee*: Analysis of maximum mouth opening and its related factors in 3- to 5-year-old Taiwanese children. Odontology. 2015(January);103(1):84-88.
15. Je-Kang Du, Chau-Hsiang Wang, Kuo-Chiang Wang and Ker-Kong Chen*: TEM analysis of 2205 duplex stainless steel to determine orientation relationship between $M_{23}C_6$ carbide and austenite matrix at 950 °C. Intermetallics. 2014;45(February, 2014); 80-83.
16. Keiko Nakamura, Kiyoshi Tajima*, Ker-Kong Chen, Yuki Nagamatsu, Hiroshi Kakigawa, and Shin-ich Masumi: Dental application of novel finite element analysis software for three-dimensional finite element modeling of a dentulous mandible from its computed tomography images. Proc Inst Mech Eng H. 2013;227 (12):1312-1318.

研究計劃

序號	計畫名稱	補助或委託機構	執行期限	執行情形	經費總額	計畫內擔任的工作
1	鈦-x 鋁合金顯微結構與生醫性質之相關性研究	科技部	105 年 8 月 1 日至 106 年 7 月 31 日	執行完畢	970,000	主持人
2	鈦-x 鋁合金顯微結構與生醫性質之相關性研究	高雄醫學大學附設中和紀念醫院	106 年 01 月 01 日至 106 年 12 月 31 日	執行完畢	250,000	主持人
3	含銅 304 不銹鋼對抗菌性影響	高雄醫學大學附設中和紀念醫院	105 年 01 月 01 日至 105 年 12 月 31 日	執行完畢	220,000	主持人