

Tian, Kun V. (TK) - Curriculum Vitae

Chinese, born 1979/04/19 in Heilongjiang;

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Bibliometrics (Web of Science, 2020/08/06)

12 publications, 4 (co-)corresponding author, 11 different journals

6 h-index: Web of Science

3.945 average impact factor of publications

87 / 7.25 citations / average citations per article

Professional Career

2015-2020: Research Associate, University of Rome II, Tor Vergata, Rome, IT

2009-present: Research Associate, Semmelweis University, Budapest, HU

2003-2007: Clinical Dentist, Harbin + Beijing, CN

Education

2015-2019: PhD, Materials for Health, University of Rome II, Tor Vergata, Rome, IT

2010-2014: PhD, Clinical Medicine, Semmelweis University, Budapest, HU

2007-2009: MSc Dental Materials Science, the University of Hong Kong, CN

1998-2003: Dental School, Harbin Medical University, China

Selected Representative Papers

1. HT Vu, FV Song, **KV Tian**, *et. al.*, Systematic characterisation of the structure and radical scavenging potency of Pu'Er tea (普洱) polyphenol theaflavin. *Organic & Biomolecular Chemistry*, **17** (2019), 9942-9950
2. **KV Tian**,* F Passaretti, A Nespoli, E Placidi, R Condò, *et. al.*, Composition—Nanostructure Steered Performance Predictions in Steel Wires. *Nanomaterials*, **9** (2019), 1119
3. **KV Tian**,* G Festa, L Szentmiklósi, *et. al.*, Compositional studies of functional orthodontic archwires using prompt-gamma activation analysis at a pulsed neutron source, *Journal of Analytical Atomic Spectrometry JAAS*, **32** (2017), 1420-1427
4. **Tian KV**, Chass GA,* Di Tommaso D, Simulations reveal the role of composition into the atomic-level flexibility of bioactive glass cements, *Phys. Chem. Chem. Phys.*, **18** (2016), 837
5. **Tian KV**, Yang B, Yue, YY, *et. al.*, Atomistic and vibrational origins of mechanical toughness in biocements during setting, *Nature Communications*, **6** (2015), 8631

Research Focus

- Bone & tooth cements & alloys as restorative and drug-delivery materials
- Mechanical properties of materials - medical/dental cements, and alloys
- Mineralisation of materials - bone & tooth by natural organic and inorganic compounds

Technical Expertise

- Mechanical testing and fractography of materials
- Neutron scattering and THz-spectroscopy of materials and bioactives
- Imaging - microscopy (SEM, TEM) and nano-/micro-tomography

Selected International Invited Talks

1. Radioanalytical And Nuclear Chemistry-II, Budapest, HU, 2019-May
2. Molecular Spectroscopy Science Meeting-RAL, UCL, London, UK, 2018-Nov
3. Biomaterials and Novel Technologies for Healthcare-II, CNR, Frascati, IT, 2018-Oct
4. Departments of Chemistry & Physics, HKU, HK, CN, 2018-Jun
5. Biomaterials and Novel Technologies for Healthcare-I, CNR, Roma, IT, 2016-Oct
6. Materials Science Devison, CNRS, Orleans, FR, 2013-Mar
7. Department of Chemistry, Aalborg Univ., DK, 2013-Mar
8. International Association of Dental Research, Budapest, HU, 2011-Sep
9. UK Biomaterials Society, Greenwich Univ., London, UK, 2011-Jul