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**The significance of self-regulation in digitalized online courses**

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Research output: Contribution to journal › Review Article › Scientific › peer-review

### **Lifelong learning with a digital math game: Performance and basic experience differences across age**

Greipl, S., Moeller, K., Kiili, K. & Ninaus, M., 2019, *Games and Learning Alliance- 8th International Conference, GALA 2019, Proceedings*. Liapis, A., Yannakakis, G. N., Gentile, M. & Ninaus, M. (eds.). Springer, p. 301-311 11 p. (Lecture Notes in Computer Science; vol. 11899).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

### **Understanding and promoting students' well-being and performance in university studies**

Asikainen, H., Kaipainen, K. & Katajavuori, N., 2019, In : *Journal of University Teaching and Learning Practice*. 16, 5, 2.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Harjoitus tekee mestarin - harjoittelu maisterin? Kokemuksia uudenaikaisista yliopisto-opintoihin integroiduista työelämäjaksoista**

Pajarre, E., Palosaari-Aubry, P., Virkki-Hatakka, T., Hietaniemi, R., Tompuri, H. & Pajari, S., Feb 2019, In : *Yliopistopedagogiikka*. 26, 1, p. 42-45 4 p.

Research output: Contribution to journal > Article > Scientific

### **Informal workplace learning: Turning the workplace into a learning site**

Rintala, H., Nokelainen, P. & Pylväs, L., 17 Feb 2019, *Handbook of vocational education and training : Developments in the changing world of work*. McGrath, S., Mulder, M., Papier, J. & Suart, R. (eds.). Springer, p. 1-14 14 p.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

### **Adapting the New ACRL Framework to IL Education at Tampere University of Technology**

Sipilä, M., Miettinen, M. & Tevaniemi, J., 20 Feb 2019, *Information Literacy in Everyday Life: ECIL 2018*. Springer Nature, (Communications in Computer and Information Science; vol. 989).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

### **Kohti itseohjautuvaa oppimista ammatillisessa koulutuksessa**

Nokelainen, P., 1 Mar 2019, In : *Ammattikasvatuksen aikakauskirja*. 21, 1, p. 4-9 6 p.

Research output: Contribution to journal > Editorial > Scientific

### **Opiskelijoiden lähestymistavat oppimiseen ja tiedon luomisen menetelmät rakennustekniikan yliopistokoulutuksessa**

Salmisto, A., 8 Mar 2019, Tampereen yliopisto. 63 p. (Tampereen yliopiston väitöskirjat; no. 30)

Research output: Book/Report > Doctoral thesis > Collection of Articles

### **Enhancing Learning in Engineering Mathematics Education: Utilising Educational Technology and Promoting Active Learning**

Kinnari-Korpela, H., 29 Mar 2019, Tampere University. 180 p. (Tampere University Dissertations; vol. 38)

Research output: Book/Report > Doctoral thesis > Monograph

### **Holistic Business Learning Environment: Bringing practice and integration to business education**

Nisula, K., 22 May 2019, Tampere University. 152 p. (Tampere University Dissertations; vol. 53)

Research output: Book/Report > Doctoral thesis > Collection of Articles

### **Process Safety Competence of Vocational Students**

Tappura, S., Nenonen, S., Nenonen, N. & Kivistö-Rahnasto, J., 6 Jun 2019, *Advances in Safety Management and Human Factors: Proceedings of the AHFE 2019 International Conference on Safety Management and Human Factors, July 24-28, 2019, Washington D.C., USA*. Arezes, P. (ed.). Cham: Springer International Publishing, p. 383-392 10 p. (Advances in Intelligent Systems and Computing,; vol. 969).

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

### **Ammatillisen koulutuksen uudistus: uhka ja mahdollisuus**

Tapani, A., Raudasoja, A. & Nokelainen, P., 15 Jun 2019, In : *Ammattikasvatuksen aikakauskirja*. 21, 2, p. 4-8 5 p.

Research output: Contribution to journal > Editorial > Scientific

### **Vesihuollon koulutus ja tutkimus lähemmäksi rakennettua ympäristöä**

Katko, T. S., Aug 2019, In : *Vesitalous*. 60, 4, p. 24-25 2 p.

Research output: Contribution to journal > Article > Professional

### **Vocational Education and Learners' Experienced Workplace Curriculum**

Rintala, H. & Nokelainen, P., 8 Aug 2019, In : *Vocations and Learning*.

Research output: Contribution to journal > Article > Scientific > peer-review

### **Lokikirja oppimisen arviointimenetelmänä**

Rättyä, K. & Juuti, T., 1 Sep 2019, (Accepted/In press) In : *KASVATUS, SUOMEN KASVATUSTIETEELLINEN AIKAKAUSKIRJA*.

Research output: Contribution to journal > Article > Scientific > peer-review



### **Internal and external stakeholders' impact on product development curriculum design**

Lindsten, H., Auvinen, P. & Juuti, T., 12 Sep 2019, *DS 95: Proceedings of the 21st International Conference on Engineering and Product Design Education (E&PDE 2019)*, University of Strathclyde, Glasgow. 12th -13th September 2019. The Design Society

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

### **Supporting the development of students' technological understanding in craft and technology education via the learning-by-doing approach**

Niiranen, S., 16 Sep 2019, In : *International Journal of Technology and Design Education*. p. 1-13

Research output: Contribution to journal › Article › Scientific › peer-review

### **Yhteiset osaamistavoitteet Tampereen korkeakoulu yhteisön tutkinnoissa – mitä ne ovat ja miten niiden saavuttamista tuetaan opetussuunnitelmatyössä?**

Pajarre, E., Kivimäki, S. & Selänne, S., 30 Sep 2019, In : *EPOOKI*. 58

Research output: Contribution to journal › Article › Professional

### **Proceedings of the SEFI 47th Annual Conference, 2019: Varietas delectat... Complexity is the new normality**

Nagy, B. V. (ed.), Murphy, M. (ed.), Järvinen, H-M. (ed.) & Kálman, A. (ed.), 30 Oct 2019, European Society for Engineering Education SEFI. 2128 p.

Research output: Book/Report › Anthology › Scientific › peer-review

### **The concept of active learning and the measurement of learning outcomes: A review of research in engineering higher education**

Hartikainen, S., Rintala, H., Pylväs, L. & Nokelainen, P., 19 Nov 2019, In : *EDUCATION SCIENCES*. 9, 4, 19 p., 276.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Creating a National Digital Learning Environment for Enhancing University Teachers' Pedagogical Expertise – The Case UNIPS**

Murtonen, M., Laato, S., Lipponen, E., Salmento, H., Vilppu, H., Maikkola, M., Vaskuri, P., Mäkinen, M., Naukkarinen, J., Virkki-Hatakka, T., Pajarre, E., Selänne, S. & Skaniakos, T., Dec 2019, In : *International Journal of Learning, Teaching and Educational Research*. 18, 13, p. 7-29 23 p., 13.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Standing and attractiveness of vocational education and training in Finland: focus on learning environments**

Rintala, H. & Nokelainen, P., 2020, In : *JOURNAL OF VOCATIONAL EDUCATION AND TRAINING*.

Research output: Contribution to journal › Article › Scientific › peer-review

### **Teachers' perspectives on project-based learning in mathematics and science**

Viro, E., Lehtonen, D., Joutsenlahti, J. & Tahvanainen, V., 2020, In : *European Journal of Science and Mathematics Education*. 8, 1, p. 12-31

Research output: Contribution to journal › Article › Scientific › peer-review

### **Work-Based Learning in Vocational Education and Training: Varied Communities, Fields and Learning Pathways**

Rintala, H., 31 Jan 2020, Tampere University. (Tampere University Dissertations; vol. 196)

Research output: Book/Report › Doctoral thesis › Collection of Articles

### **Toimijuus ja ammatillinen kasvu**

Niiranen, S. & Nokelainen, P., 22 Mar 2020, In : *Ammattikasvatuksen aikakauskirja*. 22, 1, p. 4-7 4 p.

Research output: Contribution to journal › Editorial › Scientific

### **Government Workers' Stories about Professional Development in a Digitalized Working Life**

Wallin, A., Pylväs, L. & Nokelainen, P., 2 Apr 2020, In : *Vocations and Learning*.

Research output: Contribution to journal › Article › Scientific › peer-review

**Salivary cortisol reactivity to psychological stressors in infancy: A meta-analysis**

Puhakka, I. J. A. & Peltola, M. J., 1 May 2020, In : PSYCHONEUROENDOCRINOLOGY. 115, 104603.

Research output: Contribution to journal › Review Article › Scientific › peer-review

**The Definition of Informatics Competencies in Finnish Healthcare and Social Welfare Education**

Värrä, A., Tiainen, M., Rajalahti, E., Kinnunen, U. M., Saarni, L. & Ahonen, O., 16 Jun 2020, *Digital Personalized Health and Medicine: Proceedings of MIE 2020*. IOP Press, p. 1143-1147 5 p. (Studies in Health Technology and Informatics; vol. 270).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

**Neurofunctional plasticity in fraction learning: An fMRI training study**

Worthington, S. M., Bloechle, J., Ninaus, M., Kili, K., Lindstedt, A., Bahnmueller, J., Moeller, K. & Klein, E., 1 Dec 2020, In : Trends in Neuroscience and Education. 21, 15 p., 100141.

Research output: Contribution to journal › Article › Scientific › peer-review