**Strings utilizadas para as pesquisas dos artefatos.**

(techn\* OR area\* OR applica\*) AND ("Human-Computer Interaction" OR "Human-Machine Interaction" OR HCI) AND (AR OR VR OR AVR OR VAR OR "Virtual Reality" OR "Augmented Reality" OR "Augmented Virtual Reality" OR "Virtual Augmented Reality")

(challeng\* OR difficult\*) AND (comput\* OR educ\*) AND (AR OR VR OR AVR OR VAR OR "Virtual Reality" OR "Augmented Reality" OR "Augmented Virtual Reality" OR "Virtual Augmented Reality")

(benefit\* OR improv\* OR help\* OR support\*) AND (“cognitive human” OR learning OR educ\*) AND (AR OR VR OR AVR OR VAR OR "Virtual Reality" OR "Augmented Reality" OR "Augmented Virtual Reality" OR "Virtual Augmented Reality")

**Na Base de dados da Scopus**

**1ª String na Scopus :** ABS ( ( techn\* OR area\* OR applica\* ) AND ( "Human-Computer Interaction" OR "Human-Machine Interaction" OR hci ) AND ( ar OR vr OR avr OR var OR "Virtual Reality" OR "Augmented Reality" OR "Augmented Virtual Reality" OR "Virtual Augmented Reality" ) ) AND ( LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2017 ) OR LIMIT-TO ( PUBYEAR , 2016 ) OR LIMIT-TO ( PUBYEAR , 2015 ) OR LIMIT-TO ( PUBYEAR , 2014 ) OR LIMIT-TO ( PUBYEAR , 2013 ) OR LIMIT-TO ( PUBYEAR , 2012 ) ) AND ( LIMIT-TO ( SUBJAREA , "COMP" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )

**2ª String na Scopus:** ABS ( ( challeng\* OR difficult\* ) AND ( comput\* OR educ\* ) AND ( ar OR vr OR avr OR var OR "Virtual Reality" OR "Augmented Reality" OR "Augmented Virtual Reality" OR "Virtual Augmented Reality" ) ) AND ( LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2017 ) OR LIMIT-TO ( PUBYEAR , 2016 ) OR LIMIT-TO ( PUBYEAR , 2015 ) OR LIMIT-TO ( PUBYEAR , 2014 ) OR LIMIT-TO ( PUBYEAR , 2013 ) OR LIMIT-TO ( PUBYEAR , 2012 ) ) AND ( LIMIT-TO ( SUBJAREA , "COMP" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )

**3ª String de Pesquisa:** ABS ( ( benefit\* OR improv\* OR help\* OR support\* ) AND ( "cognitive human" OR learning OR educ\* ) AND ( ar OR vr OR avr OR var OR "Virtual Reality" OR "Augmented Reality" OR "Augmented Virtual Reality" OR "Virtual Augmented Reality" ) ) AND ( LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2017 ) OR LIMIT-TO ( PUBYEAR , 2016 ) OR LIMIT-TO ( PUBYEAR , 2015 ) OR LIMIT-TO ( PUBYEAR , 2014 ) OR LIMIT-TO ( PUBYEAR , 2013 ) OR LIMIT-TO ( PUBYEAR , 2012 ) ) AND ( LIMIT-TO ( SUBJAREA , "COMP" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )