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+ [UIJ05]. 3 [IW03, LBP17, NHGC16,
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3D [HWSB99, ZBM96].

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[HH17, CT07]. **Access**

[HCH⁺14, PRJ16, BA04, DS98, DHMV14,

LEF⁺00, POS⁺01, RP96, SW09, WFD98].

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D [BYS02a, IW03, LBP17, NHGC16, QB05, SGL09, WLB09]. **daily** [CCO14]. **DANTE** [YSHG07]. **Data** [BTS⁺13, KS15, ZPSL08, ATH⁺03, FKGB10, MJV⁺06, SY97, CMLS10]. **Data-Driven** [KS15]. **dataflow** [VH01]. **DateLens** [BCCR04]. **Dealing** [POS⁺01]. **debugger** [MS94]. **debugging** [GBW⁺12, MS94]. **Dec** [YHS96]. **Decision** [FMSS17, ZSC⁺15, Rob05]. **decisions** [LB10]. **declarative** [PSS09]. **Decoration** [BKQ⁺17]. **dedicated** [NPLB09]. **deductive** [BYS02a, BYS02b]. **Defamiliarization** [BBS05]. **Default** [WLB15]. **deficits** [SHMA07]. **definitions** [BG98]. **degradation** [WWHW97]. **delayed** [JGH07]. **delegation** [MCC⁺04]. **delivery** [IB10]. **demands** [MRF09]. **Dementia** [WMRW16]. **Demonstration** [CL17]. **Demonstrational** [VM95, MCM97]. **Department** [PCR15]. **Dependent** [GMPS17]. **Deployments** [MLC⁺13]. **depth** [HWSB99]. **description** [NPLB09, NM09]. **descriptions** [MTDM14]. **Descriptive** [CMH12]. **Design** [ACM18, AZS16, BPOW15, BBB18, Bar18, BK18, BT15, DS08, DBDK18, EYK⁺16, GBH⁺18, HWC⁺16, Hin17b, JKVA17, KGYQ15, KS15, KTN⁺18, LMG⁺11, LA17, OFLK17, PL14, Pil18, RTR⁺16, SWZ16, SVDM17, VL07, WMRW16, AEF⁺00, BBS05, Bla06, BB02, BG05, CMS⁺11, DRD⁺00, DGK⁺10, FPST99, FH08, GSM99, GFC13, HK99, HL12, JK96b, KLS95, Kir13, KdJvE13, LB10, LST08, LR13, MAVR13, MS04, MBB07, PKHD09, PG94, Rob05, SJ09, SGL09, Sva13, Thi04, TBN⁺13, WDHM13, WWM08, YR12, WLB09]. **Design-Emerging** [BBB18]. **Designing** [BSW17, BCF⁺11, CGS12, DM05, LWG⁺14, MPB⁺11, MGVE17, NDSG06, SAP⁺15, SC03, SHC05, TSGK14, VAAB⁺16, AGZ10, BSK⁺05, EK00, PS02, Vic00, Wol97]. **designs** [GPP99, MB05]. **desired** [BSK⁺05]. **desk** [BBS01b]. **desktop** [GM03, RSK04, WSKS97, WJN⁺04]. **detail** [WWHW97]. **deterrents** [GH13]. **Deterring** [CGGN⁺15]. **Developing** [Dou95, KTN⁺18, SF15]. **Development** [MNPP17, YHS95, YHS96, KLS95, PG94, TNB⁺95]. **Device** [CL17, HB07, KHW95]. **Devices** [JWS12, TRZ15, HPHS05, JSM⁺94, KHA11, MRF09]. **diagram** [CM03, WMMS08]. **diagrammatic** [HK99]. **Diagramming** [IW03]. **Diagrams** [RSC15, HK99]. **dialogs** [MCC⁺04]. **dictation** [FS04]. **Differences** [HBDG04, TRZ15, LF14, MRF09, ZS06]. **different** [KSJB11]. **difficulty** [CD11].

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e-commerce [KB03]. **E-government** [DHMV14]. **EarthShake** [YHWK16]. **easier** [HK99]. **eClass** [BA04]. **Economic** [BBMT06]. **Economy** [TSTH17, Vic00]. **editing** [SJZ⁺98, SC02, WMMS08]. **Editor** [Hin16c, Hin16a, Hin16d, Hin16e, Hin16f, Hin16g, Hin17e, Hin17a, Hin17b, Hin17c, Hin17d, Hin18a, Hin18b, Hin18c, Zha15]. **Editor-in-Chief** [Zha15]. **Editorial** [CMLS10, Hin16b, MNPP17, Zha14]. **editors** [CM03, Sun02]. **edits** [SGL09]. **Education** [HFP12, YHS95, YHS96]. **Educational** [HL18, LBO⁺15, LA17]. **Effect** [CZH⁺15, ZBM96]. **effective** [BPR08, Sut00]. **effectively** [SS94]. **effectiveness** [KLMC12, WFD98]. **Effects** [CD11, HK99, KB03, NHGC16, VBHK10, XLC12, FH14, GG99, JGH07, LBT96, PCV03, QB05, WWHW97]. **Efficacy** [OMV17, DGK⁺10]. **efficiency** [KLMC12, WFD98]. **efficient** [BPR08, MF10]. **Electricity** [KBJ⁺13, KTN⁺18]. **electronic** [HF03, QB05]. **electronics** [BPW12]. **Elicitation** [Tsa18]. **elision** [HLN04]. **Elite** [RT18]. **Embedded** [LJY⁺13]. **Embodied** [Kir13, LR13, MAVR13, VBHK10]. **Embodiment** [SWZ16]. **emergence** [BT08]. **Emergencies** [LRP15, RLP14]. **Emergency** [PCR15, CMS⁺11, TKH11]. **Emergent** [FH14]. **Emerging** [BBB18, Pil18, PMK02]. **Emoji** [PDR17]. **Emotional** [SF15]. **Emotions** [GBBM12]. **Empirical** [CKS16, HFP12, PJL⁺16, RPFMP17, KSR14, MCM97]. **Empowering** [ABY17, DAM17]. **empowerment** [ABL05]. **EMR** [PCR15]. **Enabling** [LV09, QO13]. **encountering** [LCHD11]. **Encounters** [CVB16, KOP⁺10]. **End** [ABY17, BWR⁺17, DAM17, GBW⁺12, Hin17b, MNPP17, MM17, KSR14]. **End-User** [Hin17b, MNPP17, GBW⁺12]. **End-Users** [ABY17]. **Energy** [ACR⁺16, SSRW13]. **Engagement** [Pil18]. **engineering** [KWM97]. **enhanced** [Edw05, HPHS05]. **EnhancedDesk** [BBS01b]. **Enhances** [JWS12]. **enhancing** [CC13, FKK07]. **Enjoyment** [YHWK16]. **Enriching** [ACDL12]. **Enterprise** [GRKB16]. **entry**

[MF10, VK14, WST14, WM06].
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exploration [KdJvE13, LDS⁺11, WZ97]. **exploratory** [CT07, Rie96]. **Exploring** [AGB14, BWR⁺17, KBJ⁺13, PRJ16, SN17, ENSS09]. **expressions** [HR02]. **Expressive** [AZS16, PD16, PDR17]. **expressiveness** [Red08]. **Expressivity** [CDT15]. **Extending** [BMB⁺13, SLS94, LH08]. **extensible** [Edw05]. **extent** [RVB11]. **Extravaganza** [Hin17b]. **Extravaganza-Special** [Hin17b]. **Eye** [CVC12, SSC⁺16, GM03]. **Eye-Trackers** [SSC⁺16]. **eyed** [WL97].

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frame [WB94]. **Framework** [CL17, DS08, KFG15, MLC⁺¹³, VS14, BSK⁺⁰⁵, DRD⁺⁰⁰, IB10, LCHD11, PK94, SGL09, TM05, YR12]. **Free** [PRJ16, FS04]. **freehand** [SGL09]. **frequency** [SS94]. **Friction** [SB18]. **Friendship** [LVG⁺¹⁴]. **friendsourcing** [BTS⁺¹⁰]. **Fro** [Hor16]. **full** [SZG⁺⁹⁶]. **full-zoom** [SZG⁺⁹⁶]. **Functionality** [OFLK17]. **Functions** [CVC12]. **Fundamentals** [BEJM14]. **Future** [ACR⁺¹⁶, BT15, VPW⁺¹⁵, AM00, Kir13, MHP00]. **Futures** [Bar18].

Gain [STKB12]. **Game** [HL18, LA17, YHWK16, CC13, KTBR15b, TKH11]. **game-based** [CC13]. **Gameplay** [GBBM12]. **Games** [BFC12, HL18, MGVE17, OMV17, SVDM17]. **Gaming** [SED⁺¹⁶]. **Gaze** [VAF17]. **Gaze-Contingent** [VAF17]. **gender** [KLMC12]. **generalization** [BYS02a, BYS02b]. **Generated** [LRP15]. **generation** [CM03, SJGL09]. **generative** [MTDM14]. **generic** [JN96, MO94]. **Geographic** [TSTH17]. **Geometry** [NHGC16]. **Georeferenced** [ZPSL08]. **Gesture** [CDT15, Tsa18, LGHH08, QMB⁺⁰², Wex95]. **gesture-based** [LGHH08]. **Gestures** [TRZ15, BG98, QO13]. **Get** [BFC12]. **Gigapixel** [RTR⁺¹⁶]. **global** [Vic00]. **Go** [SWZ16]. **Goal** [VML15, BI08, IB10, TSGK14]. **goal-directed** [BI08, IB10]. **Goal-Specific** [VML15]. **goals** [MCSN03]. **GOMS** [JK96a, JK96b]. **Good** [TVH16]. **government** [DHMV14]. **GPS** [WMRW16]. **grammars** [KZZ06]. **graph** [KZZ06]. **Graphical** [AZS16, BG98, MCM97, Ber94, HLN04, KZZ06, TC01]. **graphics** [SC02]. **Graphs** [FLST13, Coh97, VH01]. **Green** [WDHM13]. **Grief** [SWZ16]. **ground** [CMS⁺¹¹]. **Grounded** [BMB⁺¹³]. **group** [Sun02, TkWSR99]. **GroupKit** [RG96].

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DH08, FKK07, Hay11, HF96, HPHS05,

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JS10, KWM97, Kir13, KP10, LR13, LJY⁺13,

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Investigation [GCB16, OWOZ17, CT07, LBT96, QB05].

ISIS [MCC⁺04]. **Issue**

[CCG⁺13, DFH⁺15, Hin16c, Hin16a, Hin16d, Hin16e, Hin16f, Hin16g, Hin17e, Hin17a, Hin17b, Hin17c, Hin17d, Hin18a, Hin18b, Hin18c, BDR00, DRW13, GPP99, HC06, MAVR13, OSF95, PHJ08a, PHJ08b, PSSB13, SY97, SHM07, SJGL09]. **Issues** [BK18, MLC⁺13, GPP99, PRM00].

jam [XHM⁺13]. **jigsaws** [JH03]. **judgment** [HSD08]. **judgments** [LF14]. **Just** [LA15, PDR17].

Kalas [SHC05]. **Kansuke** [TIG09]. **Ken** [Zha15]. **Kenyan** [WSO16]. **key** [MF10]. **keyboard** [MF10]. **keyphrases** [CMH12]. **Kinect** [NVR⁺14]. **knowledge** [HL12, JH03, SHCP08, Sut00, Vic00]. **knowledge-based** [Vic00].

labeled [Hor01]. **laboratories** [CNE⁺07].

Laboratory [CR13, Roo13]. **lag** [WB94].

Language [BTS⁺13, HBR⁺94, BG05, JDM99, NM09, PSS09]. **languages** [BG98].

Large [KWB⁺15, LBO⁺15, VML15, CCO14, RP96, RVB11, TGSP06]. **Large-Scale**

[LBO⁺15, CCO14, RVB11]. **Later** [LW15].

Laugh [BKJ18]. **law** [MB05]. **Layered** [MLC⁺13]. **LAYERS** [MLC⁺13]. **leads**

[DGK⁺10]. **Learned** [KWB⁺15, SAP⁺15, BPR08, BA04, TE12].

Learners [KS15]. **Learning**

[BRK15, JKVA17, KGYQ15, KTBR15a, PKRR15, SSC⁺16, YHWK16, CL08, CC13, Rie96, SKW01, WZ97, XHM⁺13, BG05].

learnware [SKW01]. **leave** [Tan07].

leave-taking [Tan07]. **Led** [BGC⁺13].

Leisure [TVH16]. **Lens**

[KS15, GFC13, PMM⁺13]. **Lessons** [BA04, KWB⁺15, SAP⁺15, BPR08, TE12].

Let [XHM⁺13]. **Letting** [SWZ16]. **level** [HL12, MS94, PSS09, WWHW97, WM06].

Leveraging [MJV⁺06]. **libraries** [ABL05].

Life [LW15, NPF⁺15, BSM⁺13, GPE06].

lighting [HWSB99]. **Lightweight** [BOMM18, NM09, WSKS97, WW05]. **line** [PRB⁺11]. **Linear** [RSC15, BBS01a]. **lines** [HLN04]. **linking** [IB10, MS04]. **Lions** [BCRS16]. **list** [RV95]. **listening** [LVH12]. **literacy** [MPB⁺11]. **live** [QB05]. **lived** [Sva13]. **Living** [BVR15, CR13, PWG18]. **Local** [Bro12]. **Localization** [LA15]. **location** [DRD⁺00]. **logograph** [TIG09]. **Long** [NPF⁺15, OAV⁺16, BP05]. **Long-Term** [NPF⁺15, OAV⁺16, BP05]. **look** [TIG09]. **look-up** [TIG09]. **looking** [GM03]. **Loud** [BKJ18]. **Love** [HHE⁺12]. **Low** [PRJ16, MPB⁺11]. **Low-Cost** [PRJ16]. **low-literacy** [MPB⁺11]. **lower** [HFB09]. **Luster** [CZH⁺15].

machine [LFT06]. **Machines** [DMG16]. **macrotheory** [BMDD00]. **magical** [Kir13]. **maintaining** [BP05]. **maintenance** [SC02, TNB⁺95]. **Making** [BBS05, FMSS17, Hor16, RBB15, STH08, ZSC⁺15, LR13, SSRW13]. **Management** [CKKL18, HLN⁺14, BI08, CMS⁺11, HDM11, WH01]. **manager** [TE12]. **Managing** [BAAL⁺16, WWHW97, WW05, WSKS97]. **manifestations** [LST08]. **manipulation** [BNS02, BG98, GMW05, HPPK98, HFB09, RSJ02, SKW01]. **Manual** [LZB98]. **map** [RVB11]. **Mapping** [CVC12, WLB15]. **Maps** [KBB⁺17]. **MARIA** [PSS09]. **marking** [KHA11]. **Markov** [TCJ01]. **Mashups** [BTS⁺13]. **Mass** [KCL⁺16]. **massive** [KWL⁺13, GB95]. **Matching** [VCN⁺17, TM05]. **materials** [BPW12]. **matrix** [Thi04]. **Matter** [BEJM14]. **Matters** [BK18]. **Matters-Facing** [BK18]. **me** [BCF⁺06, GM03]. **Mealtime** [FPD⁺16]. **Meaning** [RT18]. **Measurable** [ZSC⁺15]. **Measures** [MWS18, BBMT06]. **Measuring** [BFAM11]. **mechanics** [PGG03]. **mechanism** [Ber94]. **Mechanisms** [YR12]. **Media** [CKKL18, MWB16, ASHM97, BG05, FPST99, HDM11, LCHD11, SM11a].

Mediated [KIW16, LJY⁺13, SM11b, Tan07]. **Mediating** [HHE⁺12]. **mediation** [DM05]. **medical** [Bar09]. **Medium** [EYK⁺16, TkWSR99]. **Meeting** [BSW08]. **melody** [PT01]. **Memories** [KIW16]. **Memory** [KIW16, HLJ⁺97]. **Mental** [MWS18, BI08, LWG⁺14]. **menu** [RV95, SHR07]. **Menus** [JWS12, HH07, KHA11, SS94]. **merging** [GMW05]. **Merleau** [Sva13]. **Merleau-Ponty** [Sva13]. **Messages** [BOMM18]. **messaging** [SS00]. **Messengers** [JKVA17]. **Meta** [KPO18]. **Meta-Analysis** [KPO18]. **metalevel** [Dou98]. **metaphor** [Bla06]. **Metaphors** [FH08]. **Metatation** [MBHC17]. **Method** [CRH12, BBS01b, BYS02a, BYS02b, Coh97, FPST99, GSM99, TBN⁺13]. **Methodologies** [HL18]. **Methods** [BPOW15, Tsa18, IA08, SZG⁺96]. **Metrics** [KWS⁺14, BFAM11, YHS95, YHS96]. **MHP** [LFT06]. **mice** [HBDG04]. **Microtasks** [GFK⁺17]. **Mid** [NPCBL15]. **Mid-Air** [NPCBL15]. **might** [Dou13]. **Migrants** [DBDK18]. **mind** [AEF⁺00]. **Mining** [FKGB10, JKVA17, ATH⁺03, CMLS10]. **Mixed** [SED⁺16, BGR⁺98]. **mixed-reality** [BGR⁺98]. **Mobile** [ACDL12, BQDB13, HCH⁺14, RLP14, SSC⁺16, TRZ15, VAAB⁺16, WSO16, DSG09, DCO13, DRD⁺00, EJS02, HPHS05, KP10, LB10, MPB⁺11, OS04]. **mobility** [KOP⁺10, POS⁺01]. **Modality** [KTBR15a]. **Model** [DAM17, KPO18, LFT06, PJJ⁺16, SHR07, CT07, CG10, Dou95, HLN04, JDM99, MCSN03, NPLB09, SGL09, VH01]. **Model-based** [SHR07, NPLB09]. **ModelCraft** [SGL09]. **Modeling** [JGH07, LVG⁺14, PDR17, TVH16, VML15, WL08, CL08, GB05, JH03, KOP⁺10, ODC04, PGG03]. **Modelling** [BCRS16]. **Models** [MOMS17, OMV17, STKB12, KWM97, RBJY00, TCJ01, VMGS94].

Moderated [LWG⁺14]. **Moderating** [XLC12]. **Moderation** [JGBG18]. **modern** [RSK04]. **modified** [TIG09]. **Moments** [CRM17]. **Money** [PF18]. **Moneywork** [PF18]. **Monitoring** [WMRW16, RO97]. **Monolingual** [HRB14]. **MOOC** [KWB⁺15]. **Mood** [RPFMP17]. **Motion** [PD16, VCN⁺17]. **Motivating** [BFC12]. **Motivation** [CJV16, KS15]. **Motivations** [GH13]. **Motivators** [TH15]. **Motives** [KCL⁺16]. **motor** [CD11, DBT⁺12]. **mounted** [KSK02, WWHW97]. **mouse** [HT11, Hor01, Ink01]. **mouse-based** [HT11]. **mouse-pointing** [Hor01]. **Movement** [VCN⁺17, LR13]. **movement-based** [LR13]. **Moving** [LR13, PRM00]. **Multi** [KPO18, CGS12, SXS⁺06, WMMS08, YR12]. **multi-slate** [CGS12]. **Multi-Touch** [KPO18]. **multi-user** [SXS⁺06, YR12]. **multi-way** [WMMS08]. **Multifaceted** [MLC⁺13]. **Multilevel** [VAAB⁺16, MKP05]. **multimedia** [RP96]. **Multimodal** [QMB⁺02, SMW01, FH14, GEF98, KWM97, PRB⁺11]. **multiple** [JMJO3, PSS09, PW06, TSGK14]. **multiple-goal** [TSGK14]. **multitask** [LFT06]. **Multitasking** [GCB16, BFAM11, MCSN03]. **Multithreaded** [LG04]. **multitouch** [JH14, KHA11]. **Multiuser** [FMSS17, HBR⁺94, DC95, DS98]. **Muscle** [BPOW15, CDT15]. **museum** [YHS95, YHS96]. **Museums** [Hor16]. **music** [BNS02, LVH12]. **musical** [XHM⁺13]. **My** [MLH14].

Nanites [RO97]. **narrating** [ZSE⁺12]. **Narrative** [BWTR12]. **Natural** [BTS⁺13, MM17, Wex95, WLB09]. **naturalness** [OHM⁺13]. **navigability** [TSFA07]. **navigate** [RL09]. **Navigating** [MWW06, RTR⁺16, SZG⁺96]. **Navigation** [HBP02, KGYQ15, Bre98, CG10, FS04, MWW06, SHC05]. **navigational** [KLMC12].

Need [BKJ18, HHE⁺12, MO94]. **Needs** [BWTR12, BWR⁺17, CMLS10, CCO14]. **Negotiating** [GFC13, Tan07]. **negotiations** [WW05]. **Neighborhood** [CR13]. **Network** [LFT06, WL08]. **Network-Model** [LFT06]. **networking** [GEC⁺09, SBSS12]. **networks** [ENSS09, KOP⁺10, SZG⁺96]. **Neurofeedback** [ACM18]. **newsgroups** [ZS06]. **next** [SJGL09]. **next-generation** [SJGL09]. **No** [BKJ18, GPP99]. **Nomadic** [SS00]. **non** [JDM99]. **non-WIMP** [JDM99]. **nonexpert** [LV09]. **nonspeech** [Bre98]. **Norman** [PJL⁺16]. **notation** [BNS02]. **note** [DSG09]. **note-taking** [DSG09]. **notification** [IB10, MCSN03]. **Notion** [TH15]. **Novel** [BPOW15]. **novice** [CG10, MPB⁺11]. **NUI** [OHM⁺13].

Oasis [IB10]. **Object** [HFH⁺00, KLS95, RSJ02]. **Object-focused** [HFH⁺00]. **object-oriented** [KLS95].

Objects [ABY17, NHGC16, VCN⁺17, YHWK16, Ber94, KS10, VM95, WB94, WR99]. **observer** [PG94]. **obstacles** [PG94]. **occlusion** [ZBM96]. **Oculography** [CVC12]. **Old** [VPW⁺15]. **Older** [NVR⁺14, OAV⁺16, Bec04, MJV⁺06, NDSG06, SHCP08]. **OLEI** [KS15]. **one** [MF10, VMGS94, WST14, WL97, WMMS08]. **one-dimensional** [WST14]. **one-eyed** [WL97]. **one-key** [MF10]. **one-way** [VMGS94, WMMS08]. **ongoing** [SM11b].

Online [BRK15, CGGN⁺15, GRKB16, HWC⁺16, JGBG18, KS15, KCL⁺16, Bec04, HF96, KWL⁺13, LWG⁺14, LF14, MKP05, ZS06]. **only** [ASHM97]. **Open** [COFH16, SLS94]. **Opening** [ACM18]. **Opportunities** [GBH⁺18, NVF⁺15, PMK02]. **Optimism** [RBB15]. **Optimistic** [LLZ14]. **options** [FPST99]. **organization** [CP10, SM11a]. **Organizational** [PCR15, PG94, GR11]. **Organizations** [Pil18, GR11, KSJB11].

organize [SS94]. **organizing** [THA99, WJN⁺04]. **Oriented** [AJSW12, DRW13, KLS95, LA94, PSS09, PSSB13, WLB09]. **other** [STH08]. **Our** [KIW16]. **Outcomes** [PJL⁺16]. **Outdoor** [SVD17]. **outs** [GEC⁺09]. **OverCode** [GSS⁺15]. **overview** [HBP02, NM09]. **Own** [BFC12, BSW08].

P [MLC⁺13]. **P-LAYERS** [MLC⁺13]. **Pandora** [COFH16]. **Paper** [Hin17b, BBS01b, LGHH08, LG12, Mac99, WH01]. **PaperCraft** [LGHH08]. **paradigm** [AGZ10, BYS02a, BYS02b, SJ09]. **Paradigms** [DAM17]. **Parallel** [DGK⁺10, LH08]. **parameters** [VL07]. **Parks** [ACDL12]. **Part** [STKB12]. **partial** [TkWSR99, ZBM96]. **partial-occlusion** [ZBM96]. **participant** [PG94]. **participant-observer** [PG94]. **Participation** [Bar18, RLP14, GH13]. **Participatory** [BBB18, BK18, DBDK18, GBH⁺18, Pil18]. **Past** [MHP00, AM00]. **Pathology** [RTR⁺16]. **Patterns** [BTS⁺13, KCL⁺16, LVG⁺14, MS04, CL08, HBP02, HF03]. **Pavlov** [Wol97]. **PD** [Pil18]. **PDAs** [BCCR04]. **peephole** [MWW06]. **Peer** [KWL⁺13, XHM⁺13]. **Pen** [AGB14, TRZ15, LG12, RM00, SGL09]. **pen-based** [LG12, RM00]. **People** [CZH⁺15, DMG16, KKH⁺13, NVR⁺14, OWOZ17, CDF⁺05, SC03]. **perceived** [BBMT06, BHNG05, LDS⁺11, RB11]. **Perception** [NHGC16, DH08, QB05]. **Perceptual** [SSC⁺16, IB10, IW03]. **Performance** [BGC⁺13, Jun16, PKRR15, STKB12, CG10, HBDG04, KWM97, LBT96, LFT06, RB11, RM00, TGSP06, WWHW97]. **Performance-Led** [BGC⁺13]. **Performing** [DH08]. **peripheral** [WWHW97]. **Persistence** [LGC17]. **Personal** [BWTR12, RT18, JH14, NM09, WH01]. **Personality** [LVG⁺14, DCO13].

Personalization

[BTS⁺10, GMPS17, OMV17, TDH10]. **personas** [ODC04]. **Perspective** [BT15, SWZ16, vSHL12, CL08, GBW⁺12]. **Phasic** [CKS16]. **phenomenological** [SSRW13]. **phenomenology** [Sva13]. **phone** [DCO13, HLJ⁺97, SHR07]. **phone-based** [HLJ⁺97]. **Phones** [WSO16]. **Photography** [VS14]. **Physical** [BCRS16, BFC12, JMP⁺17, YHWK16, LDF12, PKHD09]. **Physical/Virtual** [BCRS16]. **Physically** [TGSP06]. **physio** [HT11]. **physio-behavioral** [HT11]. **Physiological** [BKJ18, CJV16, DFH⁺15, MWS18, SAP⁺15]. **Physiologically** [SIK⁺12]. **Physiopucks** [CJV16]. **pictorially** [VM95]. **Pitch** [PD16]. **place** [BB02, GPE06, STH08]. **Placing** [LW15]. **planning** [CMS⁺11]. **Plans** [KKH⁺13, Roo13]. **Platform** [SVD17]. **platforms** [VTS⁺04]. **Play** [BSW17, SED⁺16, SLY⁺18]. **point** [Ink01]. **point-and-click** [Ink01]. **pointer** [VMGS94]. **Pointing** [MOMS17, NPCBL15, STKB12, GB05, Hor01, HBDG04]. **Policies** [FMSS17]. **Polynomial** [CVC12]. **Ponty** [Sva13]. **portal** [NDSG06]. **Post** [LGC17, PJL⁺16]. **Post-Training** [LGC17]. **Post-WIMP** [PJL⁺16]. **Potential** [PL14, TDH10]. **Powered** [SED⁺16]. **Practical** [KTBR15a]. **practice** [DRW13, GFC13, KS10, MAVR13, PSSB13, TBN⁺13, TKH11, WZ97]. **practice-oriented** [DRW13, PSSB13]. **Practices** [KBJ⁺13, KdJvE13, PF18, SWZ16, SN17, BB09, RSK04, SSRW13, WDHM13]. **Pre** [GFK⁺17]. **Pre-Selection** [GFK⁺17]. **preattentive** [HBE96]. **Predicting** [BKJ18, FHA⁺05, JBH13, Jun16, PKRR15, RP96]. **Predictions** [PJL⁺16]. **Predictive** [KWM97, DBT⁺12]. **Preference** [WLB15, CP10]. **preference-based** [CP10]. **Preferences** [FMSS17, JN96, WFD98, YLZ14].

preschool [HBDG04]. **presence** [HR02, QB05, SRGS00, SUS95]. **Present** [BOMM18, AM00, MHP00]. **Presentation** [EYK⁺16, JN96, LA94]. **Presenting** [BTS⁺13]. **preservation** [SJZ⁺98]. **preserve** [NGB06]. **Presto** [DELS99]. **Preterm** [HCH⁺14]. **Prevention** [OAV⁺16]. **Priming** [KTBR15b]. **primitives** [IW03]. **Printers** [LBP17]. **PRISM** [FKK07]. **Privacy** [CKKL18, FMSS17, WLB15, BG05, CGA06, IA08, NGB06]. **Proactive** [MMS⁺08]. **probabilistic** [GB05]. **Problem** [VPW⁺15, FKGB10, OCM⁺12]. **problem-solving** [FKGB10]. **Problems** [AJSW12, GSS⁺15, RSK04]. **Procedure** [BMB⁺13]. **process** [HK99, HF96, SGL09]. **processes** [BPW12, EK00]. **processing** [HBE96]. **Processor** [LFT06]. **product** [LB10]. **Productive** [CRM17]. **Profiles** [HWC⁺16]. **program** [DC95]. **Programming** [BWR⁺17, CKS16, GSS⁺15, LLZ14, HFB09, RC96]. **programs** [MCM97]. **Project** [OWOZ17, WMRW16, CMS⁺11, NM09]. **Projection** [NHGC16]. **Promote** [BTS⁺13, HFB09]. **promoting** [HWSB99, PCH⁺06]. **Promotional** [RMT⁺15]. **Properly** [VS14]. **proposed** [MO94]. **proposition** [TkWSR99]. **Prototype** [HFP12]. **prototypes** [LST08, TIG09, LST08]. **Prototyping** [SVD17, DGK⁺10, Sal09]. **Provide** [MWS18, Bre98]. **Providing** [KGZ07, KKH⁺13, KSR14, LEF⁺00]. **proximity** [Coh97]. **Psychophysiological** [KFG15]. **Public** [MLC⁺13, Pil18, CDF⁺05, ZS06]. **publics** [LCHD11]. **Pupillary** [ZSC⁺15, MJV⁺06]. **pursuit** [RSK04]. **Putting** [Edw05, OHM⁺13].

QN [LFT06]. **QN-MHP** [LFT06]. **quadriplegic** [SC03]. **Qualitative** [OAV⁺16]. **qualities** [Rul08]. **Quality** [LRP15, HSD08]. **Quantifying** [CL14]. **quantization** [CD11]. **querying** [HF96]. **Question** [CDC15]. **Queueing** [LFT06]. **Queuing** [WL08]. **Quiet** [GBH⁺18].

radio [SS00]. **Rapid** [Sal09, SVD17]. **RaPIDO** [SVD17]. **rate** [WB94]. **rating** [VL07]. **Re** [LCHD11]. **Re-encountering** [LCHD11]. **Reaching** [WB94]. **reactable** [XHM⁺13]. **Reading** [HF03, MBHC17, CGS12]. **real** [GG99, RG96, SJZ⁺98, SC02, SXS⁺06, WR99]. **real-time** [GG99, RG96, SJZ⁺98, SC02, SXS⁺06]. **Realistic** [BKJ18]. **Reality** [SED⁺16, VAAB⁺16, VAF17, BGR⁺98, CNE⁺07, Dee95, OSF95, SUS95]. **realtime** [BBS01b]. **Reasoning** [MM17, OCM⁺12]. **Recall** [CDC15]. **recallability** [DSG09]. **recipes** [SHC05]. **Reciprocal** [ACPL15, BVR15, NVR⁺14]. **recognition** [LG04]. **recombinant** [ENSS09]. **Recommendation** [GRKB16, LB10, LMG⁺11]. **Recommendations** [Bro12]. **Recommender** [KWB⁺15, CP10, RD05]. **Reconciling** [COFH16]. **recorded** [Aro97]. **Reduce** [SB18, VH01]. **reflective** [Dou95]. **reification** [Bla06]. **Reimagining** [BBB18, BPW12]. **related** [MRF09, THA99]. **Relations** [RT18, LDS⁺11]. **relationship** [Hay11]. **Relationships** [HHE⁺12, BP05]. **relative** [HWSB99]. **reliability** [GR11, NPLB09]. **Relief** [RV95]. **remains** [KS10]. **remote** [CNE⁺07]. **Rendezvous** [HBR⁺94]. **replicated** [BRS99]. **repositories** [RP96]. **representation** [HK99, KLS95, MCM97]. **Representations** [AZS16]. **requirements** [MO94, VH01]. **Research** [BGC⁺13, CDC15, DBDK18, VPW⁺15, AM00, CMS⁺11, Hay11, HHK00, HL12, SBSS12, TM05]. **resolution** [JH14]. **resolve**

[SM11b]. **Resource** [PRJ16, Pil18]. **Resource-Constrained** [PRJ16]. **Resource-Scarce** [Pil18]. **resources** [Bec04, THA99]. **response** [TKH11]. **responses** [VBHK10]. **Results** [OAV⁺16, DGK⁺10, SWM03]. **Resuscitation** [SMB12]. **retail** [LB10]. **Retrieval** [DS08, SLY⁺18]. **reuse** [RC96, Sut00]. **Reveal** [LVG⁺14, LDF12]. **Review** [Bro12, HH17, Tsa18, LA94]. **reviewers** [Ano08, Tra04, ACM03]. **Reviewing** [BMB⁺13]. **Revisiting** [BEJM14]. **Reward** [BFC12]. **rich** [MBB07]. **Rituals** [PL14, SWZ16]. **Rivalry** [KSK02]. **robot** [KLMC12]. **robust** [LG04]. **Role** [MWB16, SKW01, TVH16, BhHSS00, KLMC12, Mac99]. **roles** [SHCP08]. **room** [GPP99]. **Rotating** [WR99]. **rotational** [WST14]. **rule** [KLS95]. **Rules** [GMPS17]. **run** [TNB⁺95]. **run-time** [TNB⁺95]. **Rural** [WSO16, BSM⁺13].

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FPD⁺16, HLN⁺14, LVG⁺14, MGVE17, PF18, RT18, SF15, TM05, WSO16, ATH⁺03, BSM⁺13, FKKH10, LWG⁺14, MMS⁺08, SM11b, SHC05, WJN⁺04, HDM11, LRP15]. **society** [HC06]. **Socio** [CDF⁺05, KSJB11, PKHD09]. **Socio-cognitive** [KSJB11]. **socio-physical** [PKHD09]. **Socio-technical** [CDF⁺05]. **soft** [Rul08]. **software** [JDM99, JN96, LMG⁺11, MBB07, Mye95, MHP00, OSF95, TNB⁺95, WZ97]. **solar** [BSM⁺13]. **Solutions** [GSS⁺15]. **solving** [BBS01a, FKGB10, OCM⁺12]. **Some** [Sva13, HK99]. **SonicAIR** [BVR15]. **Sonification** [ZPSL08]. **SOS** [BAAL⁺16]. **Sounds** [ACDL12, Bre98]. **source** [MS94]. **source-level** [MS94]. **Space** [ACM18, ASHM97, AO12, BG05, DRD⁺00]. **Spaces** [BCRS16, SED⁺16, BGR⁺98, DELS99, OKP11]. **Spatial** [KGYQ15, KZZ06, VAF17, TGSP06]. **Special** [CCG⁺13, DFH⁺15, Hin17b, BDR00, DRW13, GPP99, HC06, MAVR13, OSF95, PHJ08a, PHJ08b, PSSB13, RD05, SY97, SHM07, SJGL09]. **Specific** [DAM17, VML15, JN96, KB03]. **specification** [JDM99, SJ09]. **specifying** [VM95]. **spectacle** [BCF⁺11]. **spectator** [BCF⁺11]. **spectrum** [RV95]. **Speech** [JWS12, Aro97, FS04, GEF98, LG04, ODC04, QMB⁺02, SS00, SY97, SMW01, TSGK14, QB05]. **SpeechSkimmer** [Aro97]. **speed** [HBE96]. **speller** [DBT⁺12]. **Spindex** [JWS12]. **Split** [SS94]. **Sport** [RT18]. **Sports** [KCL⁺16, SLY⁺18, OPL10]. **Spotlight** [Hin16c, Hin16a, Hin16d, Hin16e, Hin16f, Hin16g, Hin17e, Hin17a, Hin17b, Hin17c, Hin17d, Hin18a, Hin18b, Hin18c]. **spreadsheet** [BG98, BYS02a, BYS02b]. **staging** [DH08]. **static** [MWW06]. **Stationary** [TRZ15]. **Statistical** [BTS⁺13]. **steps** [SUS95]. **stereo** [HWSB99]. **Still** [BEJM14]. **storage** [VH01]. **stores** [LB10]. **Stories** [BQDB13]. **StoryKit** [BQDB13]. **Storytelling** [BQDB13]. **strange** [BBS05, LR13]. **Strategies** [HHE⁺12, JMP⁺17, VPW⁺15, FKGB10, GBW⁺12, Rie96]. **Strategy** [BPR08]. **Strategy-based** [BPR08]. **stream** [WM06]. **string** [PDR17]. **Strips** [BKJ18, Mac99]. **Stroke** [TRZ15, TIG09]. **Strong** [HL12]. **Structural** [HB07]. **structure** [IB10, RO97]. **structure-based** [RO97]. **structures** [GR11, IW03, JH03]. **Student** [GSS⁺15]. **Students** [DKA⁺15, CL08]. **studies** [MB05, PG94]. **Studio** [HFP12]. **Studio-Based** [HFP12]. **Study** [BQDB13, CVC12, CKS16, DBDK18, HFP12, LA17, NVR⁺14, OAV⁺16, PL14, ZPSL08, ZSNP14, ASHM97, ABL05, BhHSS00, Bec04, CCO14, CNE⁺07, DSG09, FPST99, HF96, HFB09, JN96, KdJvE13, KSR14, LZB98, NDSG06, ORRH99, RM00, Rie96, SHMA07]. **style** [CL08, LBT96, SKW01]. **styles** [Ink01, RV95]. **subjective** [BBMT06]. **Subjunctive** [LH08]. **Support** [CL14, HCH⁺14, HLN⁺14, OFLK17, PDR17, CGS12, Edw05, EK00, GG99, KSR14, LH08, Rob05, SLS94, TkWSR99, TNB⁺95, Vic00]. **supported** [SW09]. **Supporting** [BVR15, BWTR12, CMS⁺11, Hor16, KGYQ15, MLC⁺13, RLP14, RBJY00, SRGS00, BRS99, CDF⁺05, Shn00, LB10, MMS⁺08, WW05]. **Surfaces** [KPO18]. **surrogate** [CC13]. **Survey** [KPO18]. **Sustainability** [COFH16, PWG18]. **Sustainable** [KBJ⁺13, RBB15, DRW13, PSSB13, PMM⁺13, WDHM13]. **Symmetric** [RSJ02]. **symmetry** [PCH⁺06]. **Synchronous** [MWB16]. **synthesized** [KGZ07]. **System** [ACR⁺16, BAAL⁺16, LA17, OAV⁺16, WMRW16, ATH⁺03, Aro97, BBS01b, HLN04, LMG⁺11, LGHH08, LG12, MCC⁺04, PRB⁺11, Rob05, SHC05, TkWSR99]. **Systemic** [TSTH17]. **Systems** [BMDD00, KTN⁺18, KWB⁺15, BRS99, CP10, DRD⁺00, Dou95, EJS02, EK00, FS04, GR11, GPP99, HK99, HC06, HDM11,

LFT06, LV09, MCSN03, NPLB09, OM11, PK94, RSK04, RM00, RD05, SBSS12, SJZ⁺⁹⁸, SC02, UIJ05].

tabletop [XHM⁺¹³, ZSE⁺¹²]. **Tabletops** [JMP⁺¹⁷, NHGC16]. **Tactile** [AZS16, PRB⁺¹¹]. **tagging** [FKKH10]. **Taking** [LBP17, SUS95, DSG09, Tan07]. **Talk** [BOMM18]. **Tangible** [CJV16, SSC⁺¹⁶, Red08, SJ09, UIJ05, XHM⁺¹³]. **Tangled** [Red08]. **tank** [WL97]. **Tapping** [JWS12]. **Target** [PD16, CD11]. **targets** [MB05]. **Tariff** [ACR⁺¹⁶]. **Task** [PGG03, HBDG04, JN96, JH03, KWM97, KSJB11, LBT96, TkWSR99, TE12, VK14]. **task-centric** [TE12]. **task-medium** [TkWSR99]. **task-specific** [JN96]. **TaskGenies** [KKH⁺¹³]. **TaskRabbit** [TSTH17]. **Tasks** [KKH⁺¹³, MWS18, BI08, IB10, JMJ03, KLMC12, PGG03, RM00, TGSP06]. **taxonomy** [LA94]. **Teaching** [KWB⁺¹⁵, SF15, BPR08, PRB⁺¹¹]. **Team** [Jun16, OKP11, TKH11]. **Teamwork** [SMB12]. **technical** [CDF⁺⁰⁵]. **Technique** [KGYQ15, JK96b, NPLB09, SUS95]. **Techniques** [LGC17, Dou98, JK96a, LA94, TC01, VM95]. **Technological** [PCR15]. **Technologies** [AFP13, BT15, LBP17, NVF⁺¹⁵, SN17, BBS05, DSG09, GPE06]. **Technology** [ACDL12, FPD⁺¹⁶, HHE⁺¹², HH17, KIW16, SM11b, SF15, XLC12, BB09, BPW12, CT07, GR11, LWG⁺¹⁴, ORRH99, OSF95, PMK02]. **Technology-Mediated** [KIW16, SM11b]. **teen** [GPE06, ZS06]. **teenagers** [GPE06]. **teleconferencing** [GB95]. **TeleNotes** [WSKS97]. **television** [BB09, BGC⁺⁰⁰, OPL10]. **Tell** [GBBM12]. **Tension** [MLH14]. **Tensions** [NVF⁺¹⁵]. **Term** [NPF⁺¹⁵, OAV⁺¹⁶, BP05]. **terms** [BSW08]. **test** [TkWSR99]. **Text** [BOMM18, PDR17, CMH12, MF10, VK14, WST14, WM06, QB05]. **Text-To-Speech**

[QB05]. **Their** [Bro12, HCH⁺¹⁴, VCN⁺¹⁷, DAM17]. **Theoretic** [MOMS17]. **Theoretical** [P JL⁺¹⁶, KdJvE13]. **Theory** [DS08, TBN⁺¹³, HSD08, MAVR13]. **Theory-Based** [DS08]. **Therapy** [SWZ16, LWG⁺¹⁴]. **there** [GPP99, KLMC12]. **Thin** [Jun16]. **Things** [Hin17b, HR02, MTDM14, ABY17, LBP17, MNPP17]. **thinking** [FH08]. **tiered** [WLB09]. **Time** [LA15, OPL10, GG99, LEF⁺⁰⁰, RG96, SJZ⁺⁹⁸, SC02, SXS⁺⁰⁶, TNB⁺⁹⁵]. **TKS** [JH03]. **To-and-Fro** [Hor16]. **TOCHI** [Hin16c, Hin16a, Hin16d, Hin16e, Hin16f, Hin16g, Hin16b, Hin17e, Hin17a, Hin17b, Hin17c, Hin17d, Hin18a, Hin18b, Hin18c, Zha14, Zha15]. **Together** [OWOZ17]. **Token** [UIJ05]. **Tool** [FLST13, HCH⁺¹⁴, Bla06, Dee95]. **toolbox** [IA08]. **toolkit** [AO11, Dou98, RG96]. **Tools** [CL14, DAM17, ZSNP14, Mye95, MHP00]. **top** [ORRH99]. **topically** [THA99]. **TopicShop** [ATH⁺⁰³]. **Touch** [AGB14, GBBM12, JWS12, KPO18, LLZ14, BhHSS00]. **touchless** [OHM⁺¹³]. **Touchscreen** [GBBM12]. **Touchscreen-Based** [GBBM12]. **town** [PKHD09]. **Trackers** [CVC12, SSC⁺¹⁶]. **Tracking** [KBB⁺¹⁷, RPFMP17, BBS01b]. **traffic** [Mac99]. **Training** [KTBR15b, LGC17, HFB09]. **Trajectories** [SLY⁺¹⁸, BCF⁺¹¹]. **Trans** [YHS96]. **Transcending** [AEF⁺⁰⁰]. **transcoding** [YSHG07]. **Transcription** [WL08]. **transfer** [HFB09]. **Transferred** [KGYQ15]. **Transformations** [ABY17]. **Transformative** [BSW17]. **Transition** [Zha15]. **Transitioning** [LW15]. **Translation** [HRB14]. **translucence** [EJS02, EK00]. **transparency** [BRS99]. **Transparent** [SXS⁺⁰⁶]. **transportation** [CDF⁺⁰⁵]. **Trauma** [SMB12]. **tree** [PCV03]. **Trends** [NVF⁺¹⁵, ZS06]. **trial** [ORRH99].

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TVH16, WM15, WLB15, ZSC⁺15, vSHL12, AGZ10, Ber94, CMLS10, DC95, GSM99, GPP99, GBW⁺12, HSD08, HF96, HBP02, JDM99, JK96a, JK96b, JN96, KZZ06, KLMC12, LB10, LBT96, LCHD11, MCSN03, MB05, MHP00, NPLB09, NM09, Red08, RB11, SJGL09, SJ09, Shn00, SMW01, SXS⁺06, TNB⁺95, TC01, VBHK10, WFD98, WLB09, YLZ14, YR12, BB09, RSK04]. **User-Centered** [PJL⁺16]. **User-Experience** [vSHL12]. **user-robot** [KLMC12]. **Users** [ABY17, DAM17, MM17, SED⁺16, VS14, ZPSL08, JBH13, KSR14, MPB⁺11, NDSG06, RBJY00, YSHG07]. **uses** [RC96]. **Using** [BQDB13, Bre98, Dou98, FS04, GFK⁺17, GFC13, GRKB16, JK96b, KFG15, KWS⁺14, LDF12, MWS18, MRF09, OMV17, PRM00, RMT⁺15, SSC⁺16, SAP⁺15, VH01, CDF⁺05, HBE96, HBDG04, IW03, JH03, RL09, SS94, SGL09, WL97]. **Utilitarian** [XLC12]. **Utilizing** [SLY⁺18, ZBM96]. **Utopias** [Bar18].

Valence [TVH16]. **Validation** [CKKL18, YHS95, YHS96]. **Validity** [BAAL⁺16]. **Value** [BT15, BBMT06, WH01]. **Values** [XLC12, KS10]. **variables** [VMGS94]. **Variation** [GSS⁺15]. **vehicle** [Sal09, TSGK14]. **versioning** [KSR14]. **versus** [Hor01, Ink01, JN96, MWW06, PW06, WFD98]. **via** [BTS⁺10]. **Video** [CVC12, NPF⁺15, BG05, GM03, LJY⁺13, NGB06]. **video-mediated** [LJY⁺13]. **Video-Oculography** [CVC12]. **view** [JBH13]. **Viewing** [KCL⁺16, LH08]. **Virtual** [BCRS16, CVB16, VAF17, BhHSS00, BDR00, BGC⁺00, Dee95, FH14, FKK07, GR11, GB95, HPPK98, HFH⁺00, JGH07, OSF95, RSJ02, RL09, SUS95, SGFT06, WR99, Wex95]. **Visibility** [BAAL⁺16]. **Visual** [ABY17, CZH⁺15, Hor01, JKVA17,

KBB⁺17, ZPSL08, BNS02, BHNG05, CD11, HT11, HBE96, JGH07, LDS⁺11, MCM97, MJV⁺06, MS94, PCV03, PW06].
visualization [CMH12, HWSB99].
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wasn't [Dou13]. **waste** [GFC13]. **Wave** [CKS16]. **way** [VMGS94, WMMS08]. **Web** [Bec04, Bro12, CL08, JBH13, KB03, LA15, OC03, SHMA07, SHCP08, TSFA07, THA99, VL07]. **Web-Based** [LA15, CL08].
Websites [VML15]. **Welcome** [Hin16b, Zha15]. **Well** [KIW16].
Well-Being [KIW16]. **Wellbeing** [BTS⁺13]. **Wheeling** [JWS12]. **Where** [Dou13]. **whether** [JBH13]. **which** [JK96b].
while [PRM00]. **Who** [VTS⁺04]. **whole** [KHW95]. **whole-hand** [KHW95]. **Wide** [JBH13]. **Wild** [BGC⁺13, BQDB13, CR13, CCG⁺13, Roo13].
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words [CMH12]. **Work** [PWG18, RPFMP17, TVH16, Bar09, HK99, JH14].
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Working-memory [HLJ⁺97]. **Workload** [MWS18, BI08, BHNG05]. **Workplace** [KBJ⁺13]. **workspace** [GG99, PGG03].

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Young [DBDK18].

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Schwartz:2013:UPM

Slater:1995:TSI

Swan:2008:MPC

Sutcliffe:2000:EUR

Shoemaker:2012:TPM

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Velloso:2017:MCS

Vertanen:2014:CTE

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Vicente:2000:HGK

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